

DRINKING WATER SURVEILLANCE PROGRAM

BARRIE WELL SUPPLY

ANNUAL REPORT 1990

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BARRIE WELL SUPPLY

DRINKING WATER SURVEILLANCE PROGRAM

ANNUAL REPORT 1990

HAZARDOUS CONTAMINANTS
COORDINATION BRANCH
135 ST. CLAIR AVENUE WEST
TORONTO, ONTARIO M4V 1P5

SEPTEMBER 1992



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EXECUTIVE SUMMARY

DRINKING WATER SURVEILLANCE PROGRAM

BARRIE WELL SUPPLY 1990 ANNUAL REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1990, 76 systems were being monitored.

The Barrie Well Supply is a groundwater source containing numerous wells in several aquifers. The only treatment provided is the addition of sodium silicate for iron sequestering and chlorine for disinfection. The combined system has a maximum pumping capacity of 67.58 x 1000 m³/day. The Barrie well supply serves a population of approximately 55,000.

Three wells were chosen as representative of the system. Raw water from these wells and treated water from three locations in the distribution system was sampled for the presence of approximately 180 parameters. Parameters were divided into the following groups: bacteriological, inorganic and physical (laboratory chemistry, field chemistry and metals), and organic (chloroaromatics, chlorophenols, pesticides and PCB, phenolics, polyaromatic hydrocarbons, specific pesticides and volatiles). Samples were analyzed for specific pesticides and chlorophenols twice a year in the spring and fall.

Table A (one for each well) is a summary of all results by group.

No known health related guidelines were exceeded.

The Barrie well supply, as sampled by DWSP, for the sample year 1990, produced good quality water and this was maintained in the distribution system.

TOTAL

SUMMARY TABLE BY SCAN

A POSITIVE VALUE DENOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE
A '.' INDICATES THAT NO SAMPLE WAS TAKEN

	SITE			0175 4			
SCAN	RAW 1 TESTS	POSITIVE	%POSITIVE	SITE 1 TESTS		%POSITIVE	
BACTERIOLOGICAL	36	1	2	12	4	33	
CHEMISTRY (FLD)	24	24	100	109	70	64	
CHEMISTRY (LAB)	264	208	78	456	399	87	
METALS	288	80	27	552	234	42	
CHLOROAROMATICS	140	0	0	140	0	0	
CHLOROPHENOLS	12	0	0	n=	((*)		
PAH	185	0	0	17	0	0	
PESTICIDES & PCB	368	0	0	213	0	0	
PHENOLICS	12	0	0	(I)			
SPECIFIC PESTICIDES	63	0	0	10	0	0	
VOLATILES	348	0	0	348	21	6	
	1740	313		1857	728		

TABLE A
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE

SUMMARY TABLE BY SCAN

TOTAL

A POSITIVE VALUE DENOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE A '.' INDICATES THAT NO SAMPLE WAS TAKEN

SCAN	SITE RAW 2 TESTS	POSITIVE	%POSITIVE	SITE 1 TESTS		%POSITIVE	
BACTERIOLOGICAL	36	0	0	12	4	33	
CHEMISTRY (FLD)	27	27	100	107	88	82	
CHEMISTRY (LAB)	264	198	75	456	371	81	
METALS	288	101	35	552	264	47	
CHLOROAROMATICS	140	0	0	154	0	0	
CHLOROPHENOLS	12	0	0		¥		
PAH	185	0	0	17	. 0	0	
PESTICIDES & PCB	. 368	0	0	234	0	0	
PHENOLICS	12	0	0	*	ě	•	
SPECIFIC PESTICIDES	63	0	0	11	0	0	
OLATILES .	348	0	0	348	10	2	
	1743	326		1891	737		

TABLE A
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE

TOTAL

SUMMARY TABLE BY SCAN

A POSITIVE VALUE DENOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE A '.' INDICATES THAT NO SAMPLE WAS TAKEN

	SITE				III		
SCAN	RAW 3 TESTS	POSITIVE	%POSITIVE	SITE 1		%POSITIVE	
BACTERIOLOGICAL	36	0	0	8	1	12	
		5)			•		
CHEMISTRY (FLD)	24	24		78	62		
CHEMISTRY (LAB)	264	178	67	304	239	78	
METALS	288	80	27	368	151	41	
CHLOROAROMATICS	168	0	0	70	0	0	
CHLOROPHENOLS	12	0	0			•	
PAH	185	0	. 0	17	0	0	
PESTICIDES & PCB	397	0	0	107	0	.0	
PHENOLICS	- 11	0	0	•	- •		
SPECIFIC PESTICIDES	64	0	0	5	0	0	
VOLATILES	348	0	. 0	232	24	10	
	1797	282		1189	477		H_{ij}

DRINKING WATER SURVEILLANCE PROGRAM

BARRIE WELL SUPPLY 1990 ANNUAL REPORT

INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1990, 76 systems were being monitored.

Appendix A has a full description of the DWSP.

The DWSP was initiated for the Barrie well supply in January of 1990. This is the first DWSP annual report.

PLANT DESCRIPTION

The Barrie Well Supply is a groundwater source containing numerous wells in several aquifers. The only treatment provided is the addition of sodium silicate for iron sequestering and chlorine for disinfection. The combined system has a maximum pumping capacity of 67.58 x 1000 m³/day. The Barrie well supply serves a population of approximately 55,000.

Three wells were chosen as representative of the system. They were Tiffen well, Centennial well and Johnston Street well. The following tables and comments in this report will be arranged in the order listed above.

The sample day flows for the three wells ranged from 2.3 x 1000 $\rm m^3/day$ to 3.12 x 1000 $\rm m^3/day$, from 4.5 x 1000 $\rm m^3/day$ to 5.8 x 1000 $\rm m^3/day$ and from 5.3 x 1000 $\rm m^3/day$ to 5.7 x 1000 $\rm m^3/day$.

General plant information is presented in Table 1.

SAMPLING AND ANALYSES

Sample lines at the wells were flushed prior to sampling to ensure that the water obtained was indicative of its origin and not residual water standing in the sample line.

At all distribution system locations two types of samples were obtained, a standing and a free flow. The standing sample consisted of water that had been in the household plumbing and service connection for a minimum of six hours. These samples are used to

make an assessment of the change in the levels of inorganic compounds and metals, due to leaching from, or deposition on, the plumbing system. The only analyses carried out on the standing samples therefore, were General Chemistry and Metals. The free flow sample represented fresh water from the distribution main, since the sample tap was fluhed for five minutes prior to sampling.

Stringent DWSP sampling protocols were followed to ensure that all samples were taken in a uniform manner (see Appendix B).

Plant operating personnel routinely analyze parameters for process control (Table 2).

Raw water from three wells and treated water from three locations in the distribution system was sampled for the presence of approximately 180 parameters. Parameters were divided into the following groups: bacteriological, inorganic and physical (laboratory chemistry, field chemistry and metals), and organic (chloroaromatics, chlorophenols, pesticides and PCB, phenolics, polyaromatic hydrocarbons, specific pesticides and volatiles). Samples were analyzed for specific pesticides and chlorophenols twice a year in the spring and fall. Laboratory analysis were conducted at the Ministry of the Environment facilities in Rexdale, Ontario.

RESULTS

Field measurements were recorded on the day of sampling and were entered onto the DWSP data base as submitted by plant personnel.

Table 3 contains information on the delay time between raw and treated water sampling, flow rate and treatment chemicals dosages.

Table 4 is a summary break-down of the number of water samples analyzed by parameter and by water type. The number of times that a positive or trace result was detected is also reported.

Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be confidently quantified.

Table 5 presents the results for parameters detected on at least one occasion.

Table 6 lists all parameters analyzed in the DWSP.

Associated guidelines and detection limits are also supplied on tables 5 and 6. Parameters are listed alphabetically within each

scan.

DISCUSSION

GENERAL

Water quality was judged by comparison with the Ontario Drinking Water Objectives publication (ODWOs). When an Ontario Drinking Water Objectives (ODWO) was not available, guidelines/limits from other agencies were used. These guidelines were obtained from the Parameter Listing System database.

IN THIS REPORT DISCUSSION IS LIMITED TO:

- RESULTS FROM RAW AND DISTRIBUTED WATERS;
- THOSE PARAMETERS WITH CONCENTRATIONS ABOVE GUIDELINE VALUES;
- POSITIVE ORGANIC PARAMETERS DETECTED; AS WELL AS
- PERSISTENT TRACES OF ORGANIC PARAMETERS IN THE RAW WATER.

In this report comments are combined for all sample locations for each parameter discussed. The water in the distribution system can be a mixture from many sources. Due to the many wells supplying this water system and the relatively few sample locations on DWSP, this report does not provide a complete picture of the drinking water quality.

BACTERIOLOGICAL

Guidelines for bacteriological sampling and testing of a supply are developed to maintain a proper supervision of its bacteriological quality. Routine monitoring programs usually require that multiple samples be collected in a given system. Full interpretation of bacteriological quality cannot be made on the basis of single samples.

Standard plate count was the only bacteriological analysis conducted on the treated distributed water samples. No results were detected above the guideline.

INORGANIC & PHYSICAL

CHEMISTRY (FIELD)

It is desirable that the temperature of drinking water be less than 15°C. The palatability of water is enhanced by its coolness. A temperature below 15°C will tend to reduce the growth of nuisance organisms and hence minimize associated taste, colour, odour and corrosion problems. The temperature of the delivered water may increase in the distribution system due to the warming effect of the soil in late summer and fall and/or as a result of higher

temperatures in the source water.

Field temperature exceeded the ODWO Maximum Desirable Concentration of 15°C in 1 of 32 distributed water samples with a reported value of 16.5°C.

CHEMISTRY (LAB)

Calcium exceeded the European Economic Community (EEC) Aesthetic Guideline Level of 100 mg/L in 2 of 32 distributed water samples with a maximum reported value of 102.9 mg/L.

Elevated conductivity is often associated with high hardness levels.

Conductivity exceeded the EEC Aesthetic Guideline Level of 400 umho/cm in all samples from two of the wells and in 29 of 32 distribution water samples with a maximum reported value of 737.0 umho/cm.

The ODWOs indicate that a hardness level of between 80 and 100 mg/L as calcium carbonate for domestic waters provides an acceptable balance between corrosion and encrustation. Water supplies with a hardness greater than 200 mg/L are considered poor and would possess a tendency to form scale deposits and result in excessive soap consumption.

Hardness exceeded the ODWO Aesthetic or Recommended Operational Guideline of 80-100 mg/L in all wells sampled and in all distribution samples with a maximum reported value of 330.0 mg/L.

Total ammonium exceeded the EEC Aesthetic Guideline Level of 0.05 mg/L in 8 of 12 samples from one well and in 3 of 12 samples in one distribution site with a maximum reported value of 0.072 mg/L.

PH exceeded the ODWO Aesthetic or Recommended Operational Guideline of 6.5-8.5 pH units in 1 distribution sample with a reported value of 8.54 pH units.

Turbidity in water is caused by the presence of suspended matter such as clay, silt, colloidal particles, plankton and other microscopic organisms. The most important potential health effect of turbidity is its interference with disinfection in the treatment plant and the maintenance of a chlorine residual. The ODWO Maximum Acceptable Concentration for turbidity is 1.0 Formazin Turbidity Units (FTU).

Laboratory turbidity levels reported above 1.0 FTU in the raw water samples may not have been indicative of turbidity at the sample point. Iron precipitation may have occurred in the sample bottle thus, increasin the turbidity value. Since iron sequestering is practiced at the Barrie wells, iron would remain in solution and

not affect turbidity levels.

METALS

Iron exceeded the ODWO Maximum Desirable Concentration of 300 ug/L in 10 of 32 distributed water samples with a maximum reported value of 370.0 ug/L. Iron sequestering is practised at wells in the Barrie supply, so the elevated concentrations should stay in solution and not cause aesthetic problems.

ORGANIC

CHLOROAROMATICS

The results of the chloroaromatic scan showed that none were detected.

CHLOROPHENOLS

The results of the chlorophenol scan showed that none were detected.

PHENOLICS

Phenols were only analyzed in the raw water and were not detected above the guideline.

POLYAROMATIC HYDROCARBONS (PAH)

The results of the PAH scan showed that none were detected.

PESTICIDES & PCB

The results of the PCB scan showed that none were detected.

The results of the regular pesticide scan showed that none were detected.

SPECIFIC PESTICIDES

The results of the specific pesticides scan showed that none were detected.

VOLATILES

Ethylbenzene was found at positive levels in 1 distributed water sample with a reported value of 0.7 ug/L. This was below the ODWO Aesthetic Objective of 2.4 ug/L.

M-xylene was found at positive levels in 1 distributed water sample with a reported value of 2.3 ug/L. This was below the ODWO Aesthetic Objective for total xylenes of 300 ug/L.

O-xylene was found at positive levels in 1 distributed water sample with a maximum reported value of 0.75 ug/L. This was below the ODWO Aesthetic Objective for total xylenes of 300 ug/L.

Methylene chloride (dichloromethane) was found at positive levels in 1 distributed water sample with a reported value of 6.0 ug/L. This was below the ODWO Maximum Acceptable Concentration of 50 ug/L.

1,1,1-Trichloroethane was found at positive levels in 1 distributed water sample with a reported value of 0.54 ug/L. This was below the United States Environmental Protection Agency Maximum Contaminant Level of 200 ug/L.

The above four volatile compounds were all detected in one sample from one of the distribution sites. Since these compounds were not detected in other results from this site, other houses and raw wells sampled, their source may be from wells not sampled.

Trichloroethylene was found at positive levels in 3 distributed water samples from two distribution sites with reported values ranging from 1.2 ug/L to 6.4 ug/L. This was below the ODWO Maximum Acceptable Concentration of 50 ug/L for trichloroethylene.

The detection of benzene, ethylbenzene, toluene and xylenes at low, trace levels may be a laboratory artifact derived from the analytical methodology.

Trihalomethanes (THMs) are produced during the water treatment process and will always occur in chlorinated waters. THMs are comprised of chloroform, chlorodibromomethane and dichlorobromomethane; bromoform occurs occasionally. Results are reported for the individual compounds as well as for total THMs. Only total THMs results are discussed.

Total THMs were found at positive levels in 8 and at trace levels in 23 of the 32 distribution samples analyzed. The maximum observed level was 7.6 ug/L. This was below the ODWO Maximum Acceptable Concentration of 350 ug/L.

CONCLUSIONS

The Barrie well supply, as sampled by DWSP, for the sample year 1990, produced good quality water and this was maintained in the distribution system.

No known health related guidelines were exceeded.

TABLE 1

DRINKING WATER SURVEILLANCE PROGRAM

PLANT GENERAL REPORT

220005875

WORKS #: 220005875
PLANT NAME: BARRIE WELL SUPPLY

DISTRICT:

BARRIE

REGION:

CENTRAL

DISTRICT OFFICER : I. M. GRAY

UTM #: 1706280004979000

PLANT SUPERVISOR: D.N. CAMPBELL

ADDRESS:

55 PATTERSON ROAD

BARRIE, ONTARIO

L4M 4V8

(705 722 7222)

MUNICIPALITY: BARRIE

AUTHORITY:

MUNICIPAL

PLANT INFORMATION

PLANT VOLUME:

(X 1000 M3)

DESIGN CAPACITY: 67.58

(X 1000 M3/DAY) (X 1000 M3/DAY)

RATED CAPACITY:

MUNICIPALITY

POPULATION

BARRIE

55,000

TABLE 2 DRINKING WATER SURVEILLANCE PROGRAM AT THE THREE SAMPLED WELLS IN-PLANT MONITORING

PARAMETER

LOCATION

FREQUENCY

FREE CHLORINE RESIDUAL

TREATED WATER WEEKLY

TABLE 3
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE SAMPLE DAY CONDITIONS FOR 1990

TREATMENT CHEMICAL DOSAGE MG/L PRE CHLORINATION IRON SEQUESTERING SODIUM SILICATE CHLORINE DELAY * FLOW DATE TIME(HRS) (1000M3) JAN 09 .00 .000 2.45 .95 .59 .67 .45 .67 .00 3.120 1.98 FEB 21 .00 MAR 13 3.000 2.08 APR 10 .00 3.380 2.990 MAY 08 .00 JUL 10 1.31 .00 AUG 14 .00 .000 1.26 .000 SEP 11 .00 1.56 1.93 OCT 10 .66 1.96 .00 1.86 NOV 13 .00 .000 .61 **DEC 11** .00 .000

^{*} THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME.

TABLE 3
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE SAMPLE DAY CONDITIONS F 1990

				TREATMENT CHEMICAL DOSAGE MG/L						
			*	PRE CHLORINA	ION IRON SEQUESTERING					
				CHLORINE	SODIUM SILICATE					
		DELAY *	FLOW							
DATE		TIME(HRS)	(1000M3)							
JAN	10	.00	.000	.78	2.17					
FEB 2	2.87	.00	.000	.93	1.89					
MAR	13	.00	4.530	.76	2.63					
APR '	10	.00	5.500	.64	2.03					
MAY (80	.00	5.830	1.53	2.24					
JUL '	10	.00	.000	.92	2.38					
AUG 1	14	.00	.000	.82	2.13					
SEP 1	11	.00	.000	.75	1.67					
OCT 1	10	.00	.000	.95	1.26					
NOV 1	13	.00	.000	.97	1.85					
DEC 1	11	.00	.000	.76	1.83					

^{*} THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME.

TABLE 3
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE SAMPLE DAY CONDITIONS FOR 1990

				TREATMENT CHEMICAL DOSAGE MG/L						
				PRE CHLORINATION	IRON SEQUESTERING					
				CHLORINE	SODIUM SILICATE					
		DELAY *	FLOW		* =					
DATE	E	TIME(HRS)	(1000M3)							
	• • •									
JAN	10	.00	.000	.39	1.28					
FEB	21	.00	.000	.20	1.39					
MAR	13	.00	5.680	.21	2.66					
APR	10	.00	5.300	.23	1.59					
MAY	80	.00	5.640	.23	1.54					
JUL	10	.00	.000	.22	2.47					
AUG	14	.00	.000	.23	1.76					
SEP	11	.00	.000	.32	1.59					
OCT	09	.00	.000	.22	1.79					
NOV	13	.00	.000	.30	1.01					
DEC	11	.00	.000	.30	2.34					

^{*} THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME.

TABLE 4 DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 1			SITE 1		
		POSITIVE				
BACTERIOLOGICAL						
FECAL COLIFORM MF		0	0			•
STANDED PLATE CHT MF	12	•		12	4	0
TOTAL COLIFORM MF	12	0	0		₩ 3	(*
T COLIFORM BCKGRD MF	12	1	0	*	(₩ 0)	
*TOTAL GROUP BACTERIO	LOGICAL 36		0	12	4	0
CHEMISTRY (FLD)						
FLD CHLORINE (COMB)		•		20	3	0
FLD CHLORINE FREE				20 22	10	0
FLD CHLORINE (TOTAL)				21	11	0
FLD PH	12	12	- 0	23	23 23	0
FLD TEMPERATURE	12	. 12	0	21 23 23	23	0
*TOTAL SCAN CHEMISTRY	(FLD)					
	24	24	0	109	70	0
CHEMISTRY (LAB)						
ALKALINITY	12	12	0	24	24	
CALCIUM	12	12	0	24	24	0
CYANIDE	12	0	0		•	•
CHLORIDE	12	12	0	24	24	0
COLOUR	12	12	0	24	. 22	2
CONDUCTIVITY	12	12	0	24	24 22 24 24	0
DISS ORG CARBON	12	12	Ū	24	24	U
FLUORIDE	12	11	ļ	24	20	4
HARDNESS IONCAL	12	12	ŏ	24	24	ŭ
LANGELIERS INDEX	12	12	0	24	24 24	ň
MAGNESIUM	12	12	ň	24	24	ŏ
SODIUM	12	0 12 12 12 12 11 12 12 12 12 12	Ô	24	24	Ö
AMMONIUM TOTAL	12	11	0	24	11	4
NITRITE	12	1	9	24	13	11
TOTAL NITRATES	12	ż	7	24	17	6
NITROGEN TOT KJELD	12	6	6	24	5	19
PH	12	12	0	24	24	0
PHOSPHORUS FIL REACT	12	6	4	3 4 0		
PHOSPHORUS TOTAL	12	3	8			
SULPHATE	12	12	0	24	24	0
TURBIDITY	12	12	0	24	23	1
*TOTAL SCAN CHEMISTRY	(LAB) 264	208	35	456	399	49

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 1			SITE 1		
SCAN PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL PO	SITIVE	TRACE
METALS						
SILVER	12	0	0	24	0	1
ALUMINUM	12	12	0	24	24	0
ARSENIC	12	0	12	24	0	21
BARIUM	12	12	0	24	24	0
BORON	12	6	6	24	12	12
BERYLLIUM	12	0	_	24	0	. 2
CADMIUM	12	0		24	0	2
COBALT	12	0		24	0	. 8
CHROMIUM	12	1	7	24	1	14
COPPER	12	0	355	24	24	0
IRON	12	11	1	24	24	0
MERCURY .	12	0	0	2,	2,	÷
MANGANESE MOLYBDENUM	12 12	12	11	24 24	24 14	0 10
MICKEL	12		0	24	2	10
LEAD	12	. 0	9	24	11	13
ANTIMONY	12	Ö	12	24	2	22
SELENIUM	12		S-17000	24	ō	2
STRONTIUM	12	12	ŏ	24	24	õ
TITANIUM	12	12	ő	24	24	ő
THALLIUM	12	0	Ö	24	0	ŏ
URANIUM	12	Õ		24	ŏ	24
VANADIUM	12	0	6	24	ŏ	16
ZINC	12	ŏ	12	24	24	0
*TOTAL SCAN METALS						
estante en la proposició de la proposici	288	80	96	552	234	148
*TOTAL GROUP INORGANI	A THE RESERVE TO SERVE THE PARTY OF THE PART	The state of the s	10000000		100001000	
	576	312	131	1117	703	197
CHLOROAROMATICS						
HEXACHLOROBUTAD I ENE	10	0	0	10	0	0
123 TRICHLOROBENZENE	10	0	0	10	0	0
1234 T-CHLOROBENZENE	10	0	0	10	0	0
1235 T-CHLOROBENZENE	10	0	0	10	0	0
124 TRICHLOROBENZENE	10	0	0	10	0	0
1245 T-CHLOROBENZENE	10	0	0	10	0	0
135 TRICHLOROBENZENE	10	0	0	10	0	0
HCB	10	0	0	10	0	0
HEXACHLOROETHANE	10	. 0	0	10	0	0
OCTACHLOROSTYRENE	10	. 0	0	10	0	0
PENTACHLOROBENZENE	10	0	0	10	0	0
236 TRICHLOROTOLUENE	10	0	0	10	0	0
245 TRICHLOROTOLUENE	10	0	0	10	0	0
26A TRICHLOROTOLUENE	10	0	0	. 10	0	U
*TOTAL SCAN CHLOROARO		, Š	٥	1/0	0	0
	140	0	0	140	U	U

TABLE 4 DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

w =	RAW 1	(9)		SITE	ľ	
SCAN						
PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE
CHLOROPHENOLS						•••••
234 TRICHLOROPHENOL	2	0	0			
2345 T-CHLOROPHENOL	2	0				
2356 T-CHLOROPHENOL	2	0			5€8	1941
245-TRICHLOROPHENOL 246-TRICHLOROPHENOL	2	0	_	1 👻		
PENTACHLOROPHENOL	2	0		1/ 📲		(¥) (a)
TENTALIEUROF HENDE		•	•		•	
*TOTAL SCAN CHLOROPHE	To care and	_	200	1020		
	12	0	0	0	0	0
PAH						
PHENANTHRENE	11	0	0	1	0	0
ANTHRACENE	10	. 0	100	. 1	0	0
FLUORANTHENE	11	0	100	1	0	0
PYRENE BENZO(A)ANTHRACENE	11 11	0		1	0	- 0
CHRYSENE	11	0	- 3	i	0	Ö
DIMETH. BENZ(A)ANTHR	10	ŏ		i	Ō	ŏ
BENZO(E) PYRENE	11	0	. 93	1	0	ō
BENZO(B) FLUORANTHEN	11	0	0	1	0	. 0
PERYLENE	11	0	1	1	0	0
BENZO(K) FLUORANTHEN		0	_	1	0	0
BENZO(A) PYRENE	11 11	0	100	1	0	0
BENZO(G,H,I) PERYLEN DIBENZO(A,H) ANTHRAC	11	0	ŏ	• 🛉	0	0
INDENO(1,2,3-C,D) PY	11	0	ŏ	i	0	Ô
BENZO(B) CHRYSENE	11	Ö	457	1	Ō	ŏ
CORONENE	11	0	0	1	. 0	0
*TOTAL SCAN PAH						
TOTAL SCAN FAR	185	0	0	17	0	0

PESTICIDES & PCB						
ALDRIN	10	0		10	. 0	0
ALPHA BHC	10	0	355	10	0	0
BETA BHC	10	0	0	10	0	0
LINDANE	10	0	0	10	. 0	0
ALPHA CHLORDANE GAMMA CHLORDANE	10 10	0	0	10 10	0	0
DIELDRIN	10	ő	ŏ	10	Ö	- 0
METHOXYCHLOR	10	Ö	ŏ	10	ŏ	ŏ
ENDOSULFAN 1	10	0	0	10	0	0
ENDOSULFAN II	10	0	0	10	0	0
ENDRIN	10	. 0	0	10	0	0
ENDOSULFAN SULPHATE	10	0	0	10	0	0
HEPTACHLOR EPOXIDE HEPTACHLOR	10 10	0	0	10 10	0	0
MIREX	10	0	0	10	0	0
OXYCHLORDANE	10	Ö	0	10	Ö	ő
OPDDT	10	Ö	õ	10	ő	Ö
PCB	10	0	Ō	10	Ō	0
DDD	10	0	0	10	0	0
PPDDE	10	0	0	10	0	0

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 1			SITE 1		
SCAN						
PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL P	OSITIVE	TRACE
PPDDT	10	0	0	10	0	0
AMETRINE	12	0	0	•	•	·
ATRAZINE	12	0	0	•		•
ATRATONE	12	0	0		•	900
CYANAZINE (BLADEX)	12	0	0	100	•	•
DESETHYLATRAZINE	12	0	0	•	•	
D-ETHYL SIMAZINE	11	0	0	V.	•	
PROMETONE	12	0	0	1.	•	
PROPAZINE	12	0	0	7.5	•	•)
PROMETRYNE	12	0	0			
METRIBUZIN (SENCOR)	12	0	0		3.00	9.00
SIMAZINE	12	. 0	0		:•::	•8
ALACHLOR (LASSO)	12	0	0			
METOLACHLOR	12	0	0	1.5	•	
HEXACLCYCLOPENTADIEN	3	0	0	3	0	0
****** **** ***********						
*TOTAL SCAN PESTICIDES	368		0	213	0	0
	300	U	U	213	U	U
PHENOLICS						
PHENOLICS	12	0	3	(€	98	
*TOTAL SCAN PHENOLICS						
	12	0	3	0	0	0
SPECIFIC PESTICIDES						
TOXAPHENE	10	0	0	10	0	0
2,4,5-T		ő	ŏ		,	
2,4-D	5	ŏ	ŏ	8. 8 8	S. 1	5/8//
2,4-DB	2	ő	ŏ	20#3	1.0	
2,4 D PROPIONIC ACID	2	ő	ŏ	0.		•
DICAMBA	2 2 2 2 2	0	ő			•)
PICHLORAM	ō	. 0	ő	1.0		
SILVEX	2	0	Ö	₩ .		
DIAZINON	2	ő	ŏ	13.5	* .	₹ .(
DICHLOROVOS	2	ő	0	1990		
	. 2	0	. 0	310	(.)	•
CHLORPYRIFOS	2	12		SI#6	•	•
ETHION	1	0	0	100	*	•
AZINPHOS-METHYL		0			# V	•
MALATHION	2	0			•	· ·
MEVINPHOS	2	0	0	3(-)	*.	•
METHYL PARATHION	2	0	0	9.00	•	•
METHYLTRITHION	2	0	0	3€8		
PARATHION	2	. 0	0	3.0	*	*
PHORATE	2 2 2 2 2 2 0	- 0	0	4.1	•	*
RELDAN	2	0	0	(*)		e 🧗
RONNEL	2	0	0). T	•	•
AMINOCARB		0	0	::		
BENONYL	0	0	0	10.00		
BUX	0	0	0	396		•
CARBOFURAN	2	0	0	¥ ⊕ j	*	
CICP	2 2	0	0			•
DIALLATE	2	0	0	(•	•	•

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 1			SITE 1		8
SCAN PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE
EPTAM	2	0	0			
IPC	2	0	0	1/4/		
PROPOXUR	2	0	0	186		
CARBARYL	2	0	0	196	-	
BUTYLATE	2	0	Ō	1574 8∰		
*TOTAL SCAN SPECIFIC	PESTIC	IDES				
	63	0	0	10	0	0
			••••			
VOLATILES						
BENZENE	12	0	2	12	0	1
TOLUENE .	12	0	0	12	0	0
ETHYLBENZENE	12	0	2	12	1	7
P-XYLENE	12	0	0	12	0	0
M-XYLENE	12	0	0	12	1	0
O-XYLENE	12	0	0	12	1	0
STYRENE	12	0	5	12	0	9
1,1 DICHLOROETHYLENE	12	0	0	12	0	0
METHYLENE CHLORIDE	12	0	0	12	1	0
T1,201CHLOROETHYLENE	12	0	0	12	Ó	0
1,1 DICHLOROETHANE	12	0	0	12	0	0
CHLOROFORM	12	0	0	12	11	1
111, TRICHLOROETHANE	12	0	0	12	1	3
1,2 DICHLOROETHANE	12	Ö	o	12	Ó	ō
CARBON TETRACHLORIDE	12	O	Ŏ	12	Ō	ō
1.2 DICHLOROPROPANE	12	Ō	0	12	Ŏ	Õ
TRICHLOROETHYLENE	12	Ŏ	Ö	12	2	1
DICHLOROBROMOMETHANE	12	ō	ō	12	ī	10
112 TRICHLOROETHANE	12	Õ	ō	12	Ó	0
CHLOROD I BROMOMETHANE	12	0	Ŏ	12	Ŏ	2
T-CHLOROETHYLENE	12	ō	ŏ	12	ō	ō
BROMOFORM	12	ŏ	ŏ	12	Õ	ŏ
1122 T-CHLOROETHANE	12	Õ	ō	12	ŏ	ŏ
CHLOROBENZENE	12	ő	ŏ	12	ő	ŏ
1,4 DICHLOROBENZENE	12	ő	ŏ	12	Ö	ŏ
1,3 DICHLOROBENZENE	12	Ŏ	ŏ	12	Ö	ŏ
1.2 DICHLOROBENZENE	12	Ö	ŏ	12	0	ŏ
ETHLYENE DIBROMIDE	12	ŏ	ŏ	12	Ö	ő
TOTL TRIHALOMETHANES	12	Ö	Ö	12	2	9
*TOTAL SCAN VOLATILES						
	348	0	9	348	21	43
*TOTAL GROUP ORGANIC		g-ann	95	0.25		12000
	1128	0	12	728	21	43

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 2			SITE 1					
SCAN PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE			
BACTERIOLOGICAL									
FECAL COLIFORM MF	12	0	0		17	::•			
STANDED PLATE CHT MF				12	4	0			
TOTAL COLIFORM MF	12	156	_		3 € 2	100			
T COLIFORM BCKGRD MF	12	0	0	*	•	•			
*TOTAL GROUP BACTERIO	LOGICAI 36	0	0	12	4	0			
CHEMISTRY (FLD)									
FLD CHLORINE (COMB)	1	1	0	21	16	0			
FLD CHLORINE FREE	1	1	(47)	18	December 1	ō			
FLD CHLORINE (TOTAL)	1	1		21	20	0			
FLD PH	12		0	24	24	200			
FLD TEMPERATURE	12	12	0	23	23	0			
*TOTAL SCAN CHEMISTRY	(FLD) 27	27	0	107	88	0			
CHEMISTRY (LAB)		ğ							
ALKALINITY	12	12	0	24	24	0			
CALCIUM	12	12			24	Ō			
CYANIDE	12	0	0	7.0		-			
CHLORIDE	12	12	0	24	24	0			
COLOUR	12	3	9	24	1	23			
CONDUCTIVITY	12	12	0	00.0000000	24	0			
DISS ORG CARBON	12	12	0	200	24	0			
FLUORIDE	12	11	1	24	21	3			
HARDNESS	12		0		24	0			
IONCAL	12	12	0		24	0			
MAGNESIUM	12 12	12 12	0	S=370	24	0			
SODIUM	12		0	822.0	24	0			
AMMONIUM TOTAL	12	12 12	0	24 24	24 21	0 2			
NITRITE	12	1	6	24	4	18			
TOTAL NITRATES	12	į	1	24	2	9			
NITROGEN TOT KJELD	12	10	ż	24	- 11	13			
PH	12	12	0	24	24	Ö			
PHOSPHORUS FIL REACT	12	3	8	() () ()	-				
PHOSPHORUS TOTAL	12	1	8 7	± 7 77	01 ⁶⁰ 	1.9			
SULPHATE	12	12	0	24	24	0			
TURBIDITY	12	12	0	24	23	1			
*TOTAL SCAN CHEMISTRY	/I AR'								
TOTAL SOME CHEMISTAL	264	198	34	456	371	69			
		(W.A.W.	1.000	San T	1855. S	70.0			

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 2			SITE	1	
SCAN						
PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE
			• • • • • •			
METALS						
SILVER	12	0	0	24	0	1
ALUMINUM	12		ő	24		ò
ARSENIC	12	2	2000	24	7500	12
BARIUM	12	12		24		0
BORON	12	10	553	24	1000	6
BERYLLIUM	12	Ö		24		3
CADMIUM	12	ő		24		6
COBALT	12	Ŏ	5	24		12
CHROMIUM	12	Ĩ		24	ō	18
COPPER	12	Ó	7	24	24	0
IRON	12	12	0	24	24	0
MERCURY .	12	0	1			
MANGANESE	12	12	1000	24	24	0
MOLYBDENUM	12	12	0	24		0
NICKEL	12	0		24		2
LEAD	12	0	12	24	(A-10-12-1)	2
ANTIMONY	12	1		24	2	1243
SELENIUM	12	0	2	24	0	8
STRONTIUM	12 12	12 12	0	24	24	0
TITANIUM THALLIUM	12	0	0	24	24	0
URANIUM	12	0	12	24 24	0	24
VANADIUM	12	2	6	24	3	14
ZINC	12	1	10	24	23	1
21110		Q#6s	10		23	199
*TOTAL SCAN METALS						
	288	101	83	552	264	131
*TOTAL GROUP INORGANIO	C & PHY	SICAL				
	579	326	117	1115	723	200

CHLOROAROMATICS						
CIICONOMIC ATTICO						
HEXACHLOROBUTAD I ENE	10	0	0	11	0	0
123 TRICHLOROBENZENE	10	0	0	11	Ō	Ō
1234 T-CHLOROBENZENE	10	0	0	11	0	0
1235 T-CHLOROBENZENE	10	0	0	11	0	0
124 TRICHLOROBENZENE	10	0	0	11	0	0
1245 T-CHLOROBENZENE	10	0	0	11	0	0
135 TRICHLOROBENZENE	10	0	0	11	0	. 0
HCB	10	0	0	11	. 0	0
HEXACHLOROETHANE	10	0	0	11	0	0
OCTACHLOROSTYRENE	10	0	0	11	0	0
PENTACHLOROBENZENE	10	. 0	0	11	0	0
236 TRICHLOROTOLUENE	10	0	0	11	0	0
245 TRICHLOROTOLUENE	10	0	0	11	0	0
26A TRICHLOROTOLUENE	10	U	0	11	0	0
*TOTAL SCAN CHLOROARON	POLITAL					
I'ME GOMM GILLONGHIO	140	0	0	154	0	0
	10000	•			•	•

TABLE 4 DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 2			SITE	i	
SCAN						
PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE
CHLOROPHENOLS						
234 TRICHLOROPHENOL	2	0	0		11	
2345 T-CHLOROPHENOL	2	0	0	•	•	•
2356 T-CHLOROPHENOL	2	0	0			
245-TRICHLOROPHENOL	2	0	0	760		
246-TRICHLOROPHENOL	2	0	0		•	
PENTACHLOROPHENOL	2	0	0	•	•	•
*TOTAL SCAN CHLOROPHE	NOLS					
	12	0	0	0	0	0
						•••••
PAH .						
PHENANTHRENE	11	0	0	1	0	0
ANTHRACENE	10	0	0	1	0	0
FLUORANTHENE	11	0	0	1	0	0
PYRENE	11	0	0	1	0	0
BENZO(A)ANTHRACENE	11	0	0	1	0	0
CHRYSENE	11	0	0,	1	0	0
DIMETH. BENZ(A)ANTHR	10	0	0	1	0	0
BENZO(E) PYRENE	11	0	0	1	0	0
BENZO(B) FLUORANTHEN	11	0	0	1	0	0
PERYLENE	11	0	0	1	0	0
BENZO(K) FLUORANTHEN	11	0	0	1	. 0	0
BENZO(A) PYRENE	11	0	0	1	0	. 0
BENZO(G,H,I) PERYLEN	. 11	0	0	1	0	0
DIBENZO(A, H) ANTHRAC	11	. 0	0	1	0	0
INDENO(1,2,3-C,D) PY	11	0	0	1	0	0
BENZO(B) CHRYSENE CORONENE	11 11	0	0	1	0	0
*TOTAL SCAN PAH	10:-2703	929	Yes	96020	200	628
8	185	. 0	0	17	0	. 0
PESTICIDES & PCB						
	1,62	1	120	0002		100
ALDRIN	10	0	0	11	0	0
ALPHA BHC	10	0	0	11	0	0 .
BETA BHC	10	0	0	11	0	0
LINDANE	10	0	0	11	0	0
ALPHA CHLORDANE	10	0	0	11	0	0
GAMMA CHLORDANE	10 10	0	0	11 11	0	0
DIELDRIN METHOXYCHLOR	10	0	0	11	0	Ö
ENDOSULFAN 1	10	0	Ö	11	Ô	Ö
ENDOSULFAN II	10	Ö	0	11	Ö	Ö
ENDRIN II	10	0	0	11	Ö	Ö
ENDOSULFAN SULPHATE	10	ŏ	ŏ	11	ő	ő
HEPTACHLOR EPOXIDE	10	ŏ	ŏ	11	ő	ŏ
HEPTACHLOR	10	ŏ	ŏ	11	ŏ	ŏ
MIREX	10	ŏ	ŏ	11	ő	ŏ
OXYCHLORDANE	10	ő	ŏ	11	ő	ŏ
OPDDT	10	Ö	ŏ	11	Õ	ŏ
PCB	10	ŏ	ŏ	11	ō	ō
DDD	10	Ö	Ō	11	0	0
PPDDE	10	0	0	11	0	0

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 2			SITE 1		
SCAN				TOTAL 00	TR	
PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL PO	SITIVE TRA	ICE
PPDDT	10	0	0	11	0	0
AMETRINE	12	ő	ŏ	35.0		*
ATRAZINE	12	ŏ	ŏ	-	-	240
ATRATONE	12	Ö	o	24 24		
CYANAZINE (BLADEX)	12	0	0			
DESETHYLATRAZINE	12	0	0	3.		
D-ETHYL SIMAZINE	11	0	0		18#02	3 8 3
PROMETONE	12	0	0	1744	5.00	2002
PROPAZINE	12	0	0	7 a c	2817	
PROMETRYNE	12	0	0		•	
METRIBUZIN (SENCOR)	12	Ō	0	- 100	•	•
SIMAZINE	12	0	0		•	•
ALACHLOR (LASSO)	12	0	0	U.	. 95	
METOLACHLOR	12	0	0	:		
HEXACLCYCLOPENTADIEN	3	. 0	0	3	0	0
*TOTAL SCAN PESTICIDE	S & PCR					
	368	0	0	234	0	0

PHENOLICS						
G 12						
PHENOLICS	12	0	4	•	₹/.	•
	Ni .		35			
*TOTAL SCAN PHENOLICS	12	0	4	0	0	0
	12	U	•	U	U	U
SPECIFIC PESTICIDES						
O CONTRACTOR OF THE PARTY OF TH	10	n	n	11	n	n
TOXAPHENE	10	0	0	11 .	0	0
TOXAPHENE 2,4,5-T	50000	0	0	11	0	0
TOXAPHENE 2,4,5-T 2,4-D	2	127	0	11	0 - -	0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB	2	0	0	11	0	0
TOXAPHENE 2,4,5-T 2,4-D	2 2 2	0 0 0	0	11	0 : : :	0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID	2 2 2 2 0	0 0 0	0 0 0	11	0 : : :	0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA	2 2 2 2 0	0 0 0 0	0 0 0	11	0 : : :	0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM	2 2 2 2 0	0 0 0 0	0 0 0 0	11	0	0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS	2 2 2 2 0	0 0 0 0 0 0	0 0 0 0 0 0 0	11	0	0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	11	0	0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4-D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION	2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	11	0	0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4-D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS	2 2 2 2 2 2 2 2 1	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11	0	0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4-D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION	2 2 2 2 2 2 2 2 2 2 2 1 2	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11		
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS	2 2 2 2 2 2 2 2 2 2 2 1 2	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11		
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION	2 2 2 2 2 2 2 2 2 2 2 1 2		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11		
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION METHYLTRITHION	2 2 2 2 2 2 2 2 2 2 2 1 2		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11		
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION METHYLTRITHION PARATHION PARATHION	2 2 2 2 2 2 2 2 2 2 2 1 2		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11		0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZIMPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION METHYLTRITHION PARATHION PHORATE	2 2 2 2 2 2 2 2 2 2 2 1 2		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11		0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4-D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION PARATHION PARATHION PHORATE RELDAN	2 2 2 2 2 2 2 2 2 2 2 1 2			11		0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4-D B 2,4-D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION METHYLTRITHION PARATHION PHORATE RELDAN RONNEL	2 2 2 2 2 2 2 2 2 2 2 1 2			11		0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4-D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION METHYL PICTURE PARATHION PARATHION PHORATE RELDAN RONNEL AMINOCARB	2 2 2 2 2 2 2 2 2 2 2 1 2			11		0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION METHYLTRITHION PARATHION PHORATE RELDAN RONNEL AMINOCARB BENONYL	22222022222122222200			11		0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION METHYLTRITHION PARATHION PHORATE RELDAN RONNEL AMINOCARB BENONYL BUX	22222022222122222200			11		0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEYINPHOS METHYL PARATHION METHYLTRITHION PARATHION PHORATE RELDAN RONNEL AMINOCARB BENONYL BUX CARBOFURAN	22222022222122222200			11		0
TOXAPHENE 2,4,5-T 2,4-D 2,4-DB 2,4 D PROPIONIC ACID DICAMBA PICHLORAM SILVEX DIAZINON DICHLOROVOS CHLORPYRIFOS ETHION AZINPHOS-METHYL MALATHION MEVINPHOS METHYL PARATHION METHYLTRITHION PARATHION PHORATE RELDAN RONNEL AMINOCARB BENONYL BUX	2 2 2 2 2 2 2 2 2 2 2 1 2			11		0

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 2			SITE 1		
SCAN PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL PO	SITIVE T	RACE
EPTAM	2	0	0	L 20	300	100
IPC	2	0	0	10	•	•
PROPOXUR	2	0	0	7.5		•
CARBARYL	2	0	0		•	•
BUTYLATE	2	0	0		•	•
*TOTAL SCAN SPECIFIC	PESTICI	DES				
	63	0	0	11	0	0
VOLATILES						
BENZENE	12	0	1	12	0	1
TOLUENE .	12	0	0	12	0	2
ETHYLBENZENE	12	0	6	12	0	9
P-XYLENE	12	0	0	12	0	0
M-XYLENE	12	0	0	12	0	0
O-XYLENE	12	0	0	12	0	1
STYRENE	12	0	8	12	0	9
1,1 DICHLOROETHYLENE	12	0	0	12	0	0
METHYLENE CHLORIDE	12	0	0	12	0	0
T1,2DICHLOROETHYLENE	12	0	0	12	0	0
1,1 DICHLOROETHANE	12	0	0	12	0	0
CHLOROFORM	12	0	0	12	2	10
111, TRICHLOROETHANE	12	0	1	12	0	2
1,2 DICHLOROETHANE	12	0	0	12	0	0
CARBON TETRACHLORIDE	12	0	0	12	0	0
1,2 DICHLOROPROPANE	12	0	0	12	0	0
TRICHLOROETHYLENE	12	- 0	0	12	1	0
DICHLOROBROMOMETHANE	12	0	0	12	- 5	7
112 TRICHLOROETHANE	12	0	0	12	0	0
CHLOROD I BROMOMETHANE	12	0	0	12	1	11
T-CHLOROETHYLENE	12	0	0	12	0	0
BROMOFORM	12	0	0	12	0	5
1122 T-CHLOROETHANE	12	0	0	12	0	0
CHLOROBENZENE	12	0	0	12	0	0
1,4 DICHLOROBENZENE	12	0	0	12	0	0
1,3 DICHLOROBENZENE	12	0	0	12	0	0
1,2 DICHLOROBENZENE	12	0	0	12	0	0
ETHLYENE DIBROMIDE	12	0		555	0	0
TOTL TRIHALOMETHANES	12	0	0	12	1	11
*TOTAL SCAN VOLATILES						
	348	0	16	348	10	68
*TOTAL GROUP ORGANIC						
	1128	0	20	764	10	68

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 3			SITE 1	Ì	
SCAN PARAMETER						
BACTERIOLOGICAL						
FECAL COLIFORM MF		2	0	:	i	ò
STANDRD PLATE CNT MF		i	0	8	1	U
TOTAL COLIFORM MF T COLIFORM BCKGRD MF		0	ň			
I COLIFORM BERGRU MF	12	U	U	£ 9 %	*	•
*TOTAL GROUP BACTERIO						
	36	0	. 0	8	1	0
CHEMISTRY (FLD)						
FLD CHLORINE (COMB)				16	0	0
FLD CHLORINE FREE	·			16		
FLD CHLORINE (TOTAL)				16	16	0
FLD PH	12	12	0	16	16	0
FLD TEMPERATURE	12	12	0	14	14	0
*TOTAL SCAN CHEMISTRY	(FLD)					
	24	24	0	78	62	0
CHEMISTRY (LAB)						
ALKALINITY	12	12	0	16	11/4/2 (40)	
CALCIUM	12	12	0	16	16	0
CYANIDE	12	.0	0	- 1	.:	:
CHLORIDE COLOUR	12	12	0	16 16 16 16 16 16 16 16 16	16 1	0
COLOUR	. 12 12		ŏ	16	1	7 0
CONDUCTIVITY DISS ORG CARBON	12	12	Ų	16 16	16 15	1
FILIOPINE	12 12	10	1	16	12	4
FLUORIDE HARDNESS	12	12	ñ	16	16	ō
IONCAL	12	12	ň	16	16 16 16	Ŏ
LANGELIERS INDEX	12	12	Õ	16	16	Ō
MAGNESIUM	12	12	Ŏ	16	16	Ŏ
SOD TUM	12	12	0	16	16	0
AMMONIUM TOTAL	12	1	0	16		2
NITRITE	12	2	9	16	1	12
TOTAL NITRATES	12	12	0	16	0.000	
NITROGEN TOT KJELD	12	3	9	16		10
PH	12	12	0	16	16	0
PHOSPHORUS FIL REACT		0	6	•		
PHOSPHORUS TOTAL	12	0	>	.;		
SULPHATE	12 12	12	U	16 16	16 9	0 7
TURBIDITY	12	•	0 0 9 0 9 0 6 5	10	Y	,
*TOTAL SCAN CHEMISTRY	810					2076-0
	264	178	43	304	239	43

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

00411	RAW 3			SITE 1		
SCAN PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL P	DSITIVE	TRACE
METALS						
SILVER	12	0	0	16	0	0
ALUMINUM	12	12	, O	. 16	16	0
ARSENIC	12	1	9	16	0	11
BARIUM	12	. 12	0	16	16	0
BORON	12	4	8	16	8	8
BERYLLIUM	12	0		16	0	2
CADMIUM	12	0		16	0	3
COBALT	12	0	4	16	3	4
CHROMIUM	12	0		16	2	10
COPPER	12	0	300	16	16	
IRON	12	- 0	4	16	0	2
MERCURY	12 12	0 8	2	16	11	:
MANGANESE .		0	4	100		5 16
MOLYBDENUM	12		12	16	0	100
NICKEL	12	0	. 0	16		0 5
LEAD ANTIMONY	12 12	0	10 12	16 16	11	12
SELENIUM	12	0	1	16	Ô	3
STRONTIUM	12	12	ó	16	16	0
TITANIUM	12	12	Ö	16	16	ŏ
THALLIUM	12	0	ő	16	0	ŏ
URANIUM	12	12	ő	16	16	ŏ
VANADIUM	12	5	120	16	4	12
ZINC	12	0	12	16	9	7
*TOTAL SCAN METALS						
	288	80	109	368	151	100
*TOTAL GROUP INORGANI	C & PHY 576	SICAL 282	152	750	452	143
CHLOROAROMATICS						
HEXACHLOROBUTAD I ENE	12	0	0	5	0	0
123 TRICHLOROBENZENE	12	0	0	5	0	0
1234 T-CHLOROBENZENE	12	0	0	5	0	0
1235 T-CHLOROBENZENE	12	0	0	- 5	0	0
124 TRICHLOROBENZENE	12	0	0	5	0	0
1245 T-CHLOROBENZENE	12	- 0	0	5	0	0
135 TRICHLOROBENZENE	12	0	0	5	0	0
HCB	12	0	0	5	0	0
HEXACHLOROETHANE	12	0	0	5	0	0
OCTACHLOROSTYRENE	12	0	0	5	0	0
PENTACHLOROBENZENE	12	0	0	5	0	0
236 TRICHLOROTOLUENE	12	0	0	. 5	0	0
245 TRICHLOROTOLUENE	12	0	0	5	0	0
26A TRICHLOROTOLUENE	12	0	0	5	0	0
*TOTAL SCAN CHLOROARO		S 8	2		2	e <u>s</u>
	168	0	0	70	0	0

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 3			SITE 1		
SCAN						
PARAMETER	1177 Mar 200 M	TOO NATIONAL PROPERTY OF THE PARTY OF	44.	TOTAL POSIT		RACE
CHLOROPHENOLS						
234 TRICHLOROPHENOL	2	0	0	9528	2	26
2345 T-CHLOROPHENOL	2	ŏ	ō	8550 1	3	
2356 T-CHLOROPHENOL	2	Ō	Ō		2 2	
245-TRICHLOROPHENOL	2	0	0	2. * :		
246-TRICHLOROPHENOL	2	0	0	8(*)		
PENTACHLOROPHENOL	2	0	0	*.	*	- 14
*TOTAL SCAN CHLOROPHE	12	0	0	0	0	0
	12	U	U	v	v	U
PAH						
± 9•0 H		: 367		7.5 7.4		V
PHENANTHRENE	11	0	0	1	0	0
ANTHRACENE	10 11	0	0	1	0	0
FLUORANTHENE PYRENE	11	0	0	i	0	ŏ
BENZO(A)ANTHRACENE	11	0	0	1100 1249 7780	Ö	Ö
CHRYSENE	11	Ō	ŏ	i	ŏ	ŏ
DIMETH. BENZ(A)ANTHR		Ŏ	ō	1	Ō	Ŏ
BENZO(E) PYRENE	11	Õ	0	1	0	0
BENZO(B) FLUORANTHEN	11	0	0	1	0	0
PERYLENE	11	0	0	. 1	0	0
BENZO(K) FLUORANTHEN	11	0	0	1	0	0
BENZO(A) PYRENE	11	0	0	1	0	0
BENZO(G,H,I) PERYLEN	11	0		***	. 0	0
DIBENZO(A, H) ANTHRAC	11	0	ŏ	1	0	0
INDENO(1,2,3-C,D) PY BENZO(B) CHRYSENE	11 11	0	0	1	0	0
CORONENE	11	ŏ	Ö		ŏ	Ö
	BUBNI	ANSEA.		11.5/	10647	1.5 35
*TOTAL SCAN PAH						
	185	0	0	17	0	0
PESTICIDES & PCB			i isali mi			POTATI TATAN
ALDRIN	12	0	0	5	0	0
ALPHA BHC	12		0	5	0	0
BETA BHC	12		0	5	0	0
LINDANE	12		0	5	0	0
ALPHA CHLORDANE	12	0	0	5	0	0
GAMMA CHLORDANE DIELDRIN	12 12	0	0	5	0	Ö
METHOXYCHLOR	12	ŏ	0	5	0	Ö
ENDOSULFAN 1	12	ŏ	Ö	5	Ö	ő
ENDOSULFAN II	12	ŏ	ō	5	ō	ō
ENDRIN	12	Ö	0	5	0	0
ENDOSULFAN SULPHATE	12	0	0	5	0	0
HEPTACHLOR EPOXIDE	12	0	0	5	0	0
HEPTACHLOR	12	0	0	5	0	0
MIREX	12	0	0	5	0	0
OXYCHLORDANE	12	0	0	5	0	0
OPDDT	12	0	0	2	0	0
PCB DDD	12	0	0	5	0	0
PPDDE	12 12	0	0	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0	0
FFUUE	14	U	U	2	U	J

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

	RAW 3			SITE 1		
SCAN PARAMETER	TOTAL PO	SITIVE T	RACE	TOTAL POS	SITIVE TR	RACE
PPDDT	12	0	0	5	0	0
AMETRINE	11	0	0	947i	() (135
ATRAZINE	11	0	0	•	9€	(10)
ATRATONE	11	0	0	* :	1.0	•
CYANAZINE (BLADEX)	11	0	0	•		•
DESETHYLATRAZINE	11	0	0		•	
D-ETHYL SIMAZINE	10 11	0	0	ii.		•
PROMETONE PROPAZINE	11	Ö	Ö	*	(*)	
PROMETRYNE	11	ŏ	Ö			•
METRIBUZIN (SENCOR)	11	ŏ	ō			
SIMAZINE	- 11	0	0			
ALACHLOR (LASSO)	11	0	0	77Y	9.	(200)
METOLACHLOR	11	0	0			•
HEXACLCYCLOPENTAD IEN	3	0	0	2	0	0
*TOTAL SCAN PESTICIDE	S & PCB 397	0	0	107	0	0
PHENOLICS						
1						
PHENOLICS	11	0	1	•	•	•
*TOTAL SCAN PHENOLICS	11	0	1	0	0	0
SPECIFIC PESTICIDES						
TOXAPHENE	12	0	0	5	0	0
2,4,5-T	2	0	0	o X	•	•
2,4-D	2	0	0			
2,4-DB	2	0	0		(8€0)	
2,4 D PROPIONIC ACID	2	0	0	*	190	:>●:
PICHLORAM	ő	0	Ö	•	\$ \$	
SILVEX	2	Ö	ő			
DIAZINON	2	Ŏ	ō			250
DICHLOROVOS	2	0	0		0.000 0.000	
CHLORPYRIFOS	2	0	0		(1€0	S .
ETHION	2	0	0	•		
AZINPHOS-METHYL	0	0	0	E	400	•
MALATHION	2	. 0	0			₩ X
MEVINPHOS	2	0	0		•	
METHYL PARATHION METHYLTRITHION	2	0	0		•	•
PARATHION	2	0	Ö			3 .5 0
PHORATE	2 2 2 2 2 2	ő	ŏ	•	(*)	•
RELDAN	2	ō	ō			•
RONNEL	2	Ō	0			
AMINOCARB	0	0	0			•
BENONYL	0	0	0	•	•	•
BUX	0	0	0		()	9●0
CARBOFURAN	2	0	0	•		
CICP DIALLATE	2 2 2	0	0		X a E	•
DIRECTALE	4	U	U		•	•

TABLE 4
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE SUMMARY TABLE OF RESULTS (1990)

Out we seed.	RAW 3			SITE 1		
SCAN PARAMETER	TOTAL	POSITIVE	TRACE	TOTAL POS	SITIVE 1	RACE
EPTAM	2	0	0			
IPC	2		ŏ	1 <u>-</u> 1	Ē	
PROPOXUR	2	Ō	Ö	226 240		
CARBARYL	2	0	0	5724 (a)	A 2	7) ¥
BUTYLATE	2	Ō	0		ě	ê
*TOTAL SCAN SPECIFIC	PESTIC	IDES		9		
	64	0	0	5	0	0
VOLATILES						
BENZENE	12	0	1	8	0	0
TOLUENE	12	0	0	8	0	0
ETHYLBENZENE -	12	0	6	8	0	2
P-XYLENE	12	0	0	8	0	0
M-XYLENE	12	0	0	8	0	0
O-XYLENE	12	0	0	8	0	0
STYRENE	12	0	8	8	0	2
1,1 DICHLOROETHYLENE	12	0	0	8	0	0
METHYLENE CHLORIDE	12	0	0	8	0	0
T1,201CHLOROETHYLENE	12	0	0	8	0	0
1,1 DICHLOROETHANE	12	0	0	8	0	0
CHLOROFORM	12	0	0	8	5	3
111, TRICHLOROETHANE		0	2	8	0	1
1,2 DICHLOROETHANE	12	0	0	8	0	0
CARBON TETRACHLORIDE	12	0	0	8	0	0
1,2 DICHLOROPROPANE	12	0	0	8	0	0
TRICHLOROETHYLENE	12	0	0	8	0	0
DICHLOROBROMOMETHANE	12	0	0	8	8	0
112 TRICHLOROETHANE	12	0	0	8	0	0
CHLORODIBROMOMETHANE	12	0	0	8	6	2
T-CHLOROETHYLENE	12	0	0	8	0	0
BROMOFORM	12	0	0	8	0	6
1122 T-CHLOROETHANE	12	0	0	8	0	0
CHLOROBENZENE	12	0	0	8	0	0
1,4 DICHLOROBENZENE	12	0	0	8	. 0	0
1,3 DICHLOROBENZENE	12	0	. 0	8	0	0
1,2 DICHLOROBENZENE	12	0	. 0	8	0	0
ETHLYENE DIBROMIDE	12	0	0	8	ō	0
TOTL TRIHALOMETHANES	12	0	0	8	5	3
*TOTAL SCAN VOLATILES						
	348	0	17	232	24	19
*TOTAL GROUP ORGANIC	4405	A 1			21	40
	1185	0	18	431	24	19

KEY TO TABLE 5 and 6

- ONTARIO DRINKING WATER OBJECTIVES (ODWO) A
 - 1. Maximum Acceptable Concentration (MAC)
 - 1+. MAC for Total Trihalomethanes
 - Interim Maximum Acceptable Concentration (IMAC)
 Aesthetic Objective (AO)

 - 3*. AO for Total Xylenes
 - 4. Recommended Operational Guideline
- HEALTH & WELFARE CANADA (H&W)
 - Maximum Acceptable Concentration (MAC)
 Proposed MAC

 - 3. Interim MAC 4. Aesthetic Objective (AO)
- C WORLD HEALTH ORGANIZATION (WHO)
 - Guideline Value (GV)
 Tentative GV
 Aesthetic GV
- D US ENVIRONMENTAL PROTECTION AGENCY (EPA)
 - 1. Maximum Contaminant Level (MCL)
 - 2. Suggested No-Adverse Effect Level (SNAEL)
 - 3. Lifetime Health Advisory

 - 4. EPA Ambient Water Quality Criteria 4T. EPA Ambient Water Quality Criteria for Total PAH
- EUROPEAN ECONOMIC COMMUNITY (EEC) F
 - 1. Health Related Guideline Level
 - 2. Aesthetic Guideline Level
 - 3. Maximum Admissable Concentration (MADC)
- CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE
- NEW YORK STATE AMBIENT WATER GUIDELINE
- N/A NONE AVAILABLE

LABORATORY RESULTS, REMARK DESCRIPTIONS

•	No Sample Taken
BDL	Below Minimum Measurement Amount
<1	Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)
>	Results Are Greater Than The Upper Limit
<=>	Approximate Result
!CS	No Data: Contamination Suspected
!!L	No Data: Sample Incorrectly Labelled
!IS	No Data: Insufficient Sample
!17	No Data: Inverted Septum
!LA .	No Data: Laboratory Accident
!LD	No Data: Test Queued After Sample Discarded
!NA	No Data: No Authorization To Perform Reanalysis
! NP	No Data: No Procedure
!NR	No Data: Sample Not Received
! OP	No Data: Obscured Plate
!QU	No Data: Quality Control Unacceptable
!PE	No Data: Procedural Error - Sample Discarded
!PH	No Data: Sample pH Outside Valid Range
!RE	No Data: Received Empty
!RO	No Data: See Attached Report (no numeric results)
!SM	No Data: Sample Missing
!SS	No Data: Send Separate Sample Properly Preserved
IUI	No Data: Indeterminant Interference
İTX	No Data: Time Expired
A3C	Approximate, Total Count Exceeded 300 Colonies
APL	Additional Peak, Large, Not Priority Pollutant
APS	Additional Peak, Less Than, Not Priority Pollutant
CIC	Possible Contamination, Improper Cap
CRO	Calculated Result Only
PPS	Test Performed On Preserved Sample
RMP	P and M-Xylene Not Separated
RRV	Rerun Verification
RVU	Reported Value Unusual
SPS	Several Peaks, Small, Not Priority Pollutant

UCR	Unreliable: Could Not Confirm By Reanalysis
ucs	Unreliable: Contamination Suspected
UIN	Unreliable: Indeterminate Interference
XP	Positive After X Number Of Hours
Т#	(TO6) Result Taken After # Hours

RAW WELL

DISTRIBUTION SYSTEM

RAW 1 SITE 1 FREE FLOW STANDING BACTERIOLOGICAL FECAL COLIFORM MF (CT/100ML) DET'N LIMIT = 0 GUIDELINE = 0 (A1) JAN 0 FEB BOL MAR 0 APR 0 MAY JUN 0 Ō JUL AUG SEP 0 0 OCT NOV DEC 0 GUIDELINE = 500/ML (A3) STANDRD PLATE CHT MF (COUNT/ML DET'N LIMIT = 0 JAN 29 FEB. 6 <=> MAR APR 3 <=> MAY 6 <=> JUN 0 <=> JUL 1 <=> AUG 20 SEP OCT 1 <=> NOV 5 <=> DEC 1 <=> GUIDELINE = 5/100ML(A1) DET'N LIMIT = 0 TOTAL COLIFORM MF (CT/100ML) JAN FEB BOL MAR BDL APR BOL MAY BOL JUN 0 JUL 0 AUG 0 SEP 0 0 OCT 0 NOV DEC T COLIFORM BCKGRD MF (CT/100ML) DET'N LIMIT = 0 GUIDELINE = N/A JAN BDL FEB MAR BDL APR BDL MAY BDL JUN 0 0 JUL AUG 0 SEP 0 OCT 0 NOV 0

RAW WELL

DISTRIBUTION SYSTEM

RAW 1

			STANDING	FREE FLOW	
	CHE	EMISTRY (FLD)		
FLD CHLORINE	(COMB)	(MG/L)	DET'N LIMIT = 0	GUIDELINE = N/A
JAN			.000	.000	
FEB	5/8/7		.000	.000	
MAR				.000	
APR	· ·		.200	.200	
JUN			.000	.000	
JUL			.000	.100	
AUG	: * 5		.000	.000	
SEP	(100)		.000	.000	
OCT	100		.000	.000	
NOV	100		.000	.000	
DEC			.000		
LD CHLORINE	FREE (MG/L	3	DET'N LIMIT = 0	GUIDELINE = N/A
JAN	* **		.100	.100	
FEB			.100	.100	
MAR			.100	.100	
APR			.100	.100	
JUN			.000	.000	
JUL	**		.000	.000	
AUG	•		.100	.100	
	•				
SEP	•		.000	.000	
OCT			.000	.000	
NOV			.000	.000	
DEC			.000	.000	
LD CHLORINE	(TOTAL)	(MG/L)	DET'N LIMIT = 0	GUIDELINE = N/A
			.100	.100	
JAN	•				
JAN FEB	•		.100	.100	
	•		.100	.100	
FEB	•				
FEB MAR APR	•		.100 .300	.100	v v
FEB MAR APR JUN	•		.100 .300 .000	.100 .300 .000	2
FEB MAR APR JUN JUL			.100 .300 .000 .000	.100 .300 .000 .100	y 22
FEB MAR APR JUN JUL AUG			.100 .300 .000 .000 .100	.100 .300 .000 .100 .100	
FEB MAR APR JUN JUL AUG SEP			.100 .300 .000 .000 .100	.100 .300 .000 .100 .100	
FEB MAR APR JUN JUL AUG SEP OCT			.100 .300 .000 .000 .100 .000	.100 .300 .000 .100 .100 .000	
FEB MAR APR JUN JUL AUG SEP			.100 .300 .000 .000 .100	.100 .300 .000 .100 .100	· · · · · · · · · · · · · · · · · · ·
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC			.100 .300 .000 .000 .100 .000 .000	.100 .300 .000 .100 .100 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC			.100 .300 .000 .000 .100 .000 .000	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC	7.500		.100 .300 .000 .000 .100 .000 .000 .000	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC FLD PH (DMNS)	7.500 7.600		.100 .300 .000 .000 .100 .000 .000 .000	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC FLD PH (DMNS)	7.500 7.600 7.600		.100 .300 .000 .000 .100 .000 .000 .000	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC FLD PH (DMNS) JAN FEB MAR APR	7.500 7.600 7.600 7.500		.100 .300 .000 .000 .100 .000 .000 .000	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC FLD PH (DMNS) JAN FEB MAR APR MAY	7.500 7.600 7.600 7.500 7.600		7.600 7.700 7.700	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC LD PH (DMNS) JAN FEB MAR APR MAY JUN	7.500 7.600 7.600 7.500 7.600 7.700	·	7.600 7.700 7.700	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT MOV DEC LD PH (DMNS) JAN FEB MAR APR MAY JUN JUL	7.500 7.600 7.600 7.500 7.600 7.700 7.500		7.600 7.700 7.600	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT MOV DEC LD PH (DMNS) JAN FEB MAR APR MAY JUN JUL AUG	7.500 7.600 7.600 7.500 7.600 7.700 7.500 7.600		7.600 7.700 7.600 7.600	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC LD PH (DMNS) FEB MAR APR MAY JUN JUL AUG SEP	7.500 7.600 7.600 7.500 7.600 7.700 7.500 7.600 7.600		7.600 7.700 7.600 7.600 7.600 7.600 7.700 7.700 7.700 7.700 7.700 7.600 7.600	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC LD PH (DMNS) FEB MAR APR MAY JUN JUL AUG SEP	7.500 7.600 7.600 7.500 7.600 7.700 7.500 7.600 7.600		7.600 7.700 7.600 7.600 7.600 7.600 7.700 7.700 7.700 7.700 7.700 7.600 7.600	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC FLD PH (DMNS) JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	7.500 7.600 7.600 7.500 7.600 7.700 7.500 7.600 7.600 7.700	•	.100 .300 .000 .000 .100 .000 .000 .000	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)
FEB MAR APR JUN JUL AUG SEP OCT NOV DEC FLD PH (DMNSI FEB MAR APR MAY JUN JUL AUG SEP	7.500 7.600 7.600 7.500 7.600 7.700 7.500 7.600 7.600		7.600 7.700 7.600 7.600 7.600 7.600 7.700 7.700 7.700 7.700 7.700 7.600 7.600	.100 .300 .000 .100 .100 .000 .000 .000	GUIDELINE = 6.5-8.5(A4)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

		STANDING	FREE FLOW	-
LD TEMPER	ATURE (DEG.C)	DET'N LIMIT = N/A	GUIDELINE = 15 (A3)
JAN	7.000	10.000	10.000	
FEB	7.000	9.900	10.000	
MAR	7.200	12.500	7.000	
APR	7.000	16.000	8.000	
MAY	8.500	18.200		
JUN	8.800	13.000	11.000	
JUL	8.000	17.000	12.000	
AUG	9.800	20.500	15.000	
SEP	8.500	19.200	16.500	
OCT	7.500	14.800	13.400	
NOV	7.000	18.200	12.200	
DEC	7.200	17,000	10.900	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

		STANDING	FREE FLOW	
		EMISTRY (LAB)		
LKALINITY	(MG/L)	DET'N LIMIT = 0.2	GUIDELINE = 30-500 (A3
JAN	199.700	201.600	209.000	
FEB	197.900	204.200	204.600	
MAR	195,200	199.100	196.800	
APR	200.800	203.600	204.500	
MAY	189.400	202.800	206.900	
JUN	195.300	196.400	197.900	
	196.500			
JUL		197.500	200.300	
AUG	196.000	205.200	200.000	
SEP	197.400	209.200	205.000	
OCT	193.000	192.500	194.000	
NOV	193.300	214.700	208.500	
DEC	197.800	206.900	197.800	
ALCIUM (MG	(/L)		DET'N LIMIT = 0.2	GUIDELINE = 100 (F2)
JAN	59.100	61.700	66.300	
FEB	56.200	60.800	60.100	
MAR	59.400	60.800	60.000	
APR	57.200	61.200	61.400	
MAY	53.100	63.600	66.200	
JUN	58.800	59.200	59.600	
JUL	59.800	60.000	60.200	
AUG	62.100	66.200	63.900	
SEP	59.900	69.200	68.300	
OCT	62.700	61.800	60.700	
NOV	61.600	66.000	61.800	
DEC	58.400	61.600	58.200	
HLORIDE (M	IG/L)		DET'N LIMIT = 0.2	GUIDELINE = 250 (A3)
JAN	1.200	7.800	25.400	
FEB	1.800	16.200	15.500	
MAR	1.700	9.700	4.200	
APR	1.600	11.500	11.600	
		17.100	25.400	
MAY	1.700			
JUN	1.900	2.400	2.000	
JUL	1.600	6.700	7.600	
AUG	2.000	6.900	6.500	
SEP	1.600	31.700	26.000	
	2.000	2.900	2.700	
OCT	2.000			
NOV	1.800	10.100	10.500	
		10.100 10.400	10.500 2.700	
NOV DEC	1.800 2.000			GUIDELINE = 5 (A3)
NOV DEC OLOUR (HZU	1.800 2.000) 7.500	10.400	2.700 DET'N LIMIT = 0.5 5.000	GUIDELINE = 5 (A3)
NOV DEC DLOUR (HZU JAN FEB	1.800 2.000) 7.500 7.000	10.400 4.000 3.500	2.700 DET'N LIMIT = 0.5 5.000 4.500	GUIDELINE = 5 (A3)
NOV DEC OLOUR (HZU	1.800 2.000) 7.500	10.400	2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000	GUIDELINE = 5 (A3)
NOV DEC DLOUR (HZU JAN FEB	1.800 2.000) 7.500 7.000	10.400 4.000 3.500	2.700 DET'N LIMIT = 0.5 5.000 4.500	GUIDELINE = 5 (A3)
NOV DEC DLOUR (HZU JAN FEB MAR	1.800 2.000) 7.500 7.000 9.500	4.000 3.500 4.500	2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000	GUIDELINE = 5 (A3)
NOV DEC DLOUR (HZU JAN FEB MAR APR MAY	1.800 2.000 7.500 7.000 9.500 9.000 5.000	4.000 3.500 4.500 5.000 3.000	2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000	GUIDELINE = 5 (A3)
NOV DEC DLOUR (HZU JAN FEB MAR APR MAY JUN	1.800 2.000 7.500 7.000 9.500 9.500 9.500	4.000 3.500 4.500 5.000 3.000 3.500	2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000 3.500	GUIDELINE = 5 (A3)
NOV DEC JAN FEB MAR APR MAY JUN JUL	1.800 2.000 7.500 7.000 9.500 9.000 5.000 9.500 7.000	4.000 3.500 4.500 5.000 3.000 3.500 4.000	2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000 3.500 4.500	GUIDELINE = 5 (A3)
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG	1.800 2.000 7.500 7.000 9.500 9.000 5.000 9.500 7.000 6.500	4.000 3.500 4.500 5.000 3.000 3.500 4.000 2.500	2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000 3.500 4.500 2.000 < T	GUIDELINE = 5 (A3)
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	1.800 2.000 7.500 7.000 9.500 9.000 5.000 7.000 6.500 7.000	4.000 3.500 4.500 5.000 3.000 3.500 4.000 2.500 2.000 <t< td=""><td>2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000 3.500 4.500 2.000 < T 3.500</td><td>GUIDELINE = 5 (A3)</td></t<>	2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000 3.500 4.500 2.000 < T 3.500	GUIDELINE = 5 (A3)
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	1.800 2.000 7.500 7.000 9.500 9.000 5.000 9.500 7.000 6.500 7.000 8.000	4.000 3.500 4.500 5.000 3.000 3.500 4.000 2.500 2.000 <t< td=""><td>2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000 3.500 4.500 2.000 < T 3.500 5.000</td><td>GUIDELINE = 5 (A3)</td></t<>	2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000 3.500 4.500 2.000 < T 3.500 5.000	GUIDELINE = 5 (A3)
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	1.800 2.000 7.500 7.000 9.500 9.000 5.000 7.000 6.500 7.000	4.000 3.500 4.500 5.000 3.000 3.500 4.000 2.500 2.000 <t< td=""><td>2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000 3.500 4.500 2.000 < T 3.500</td><td>GUIDELINE = 5 (A3)</td></t<>	2.700 DET'N LIMIT = 0.5 5.000 4.500 5.000 4.500 3.000 3.500 4.500 2.000 < T 3.500	GUIDELINE = 5 (A3)

RAW WELL

DISTRIBUTION SYSTEM

RAW 1

		S	ANDING	FREE FLOW	
CONDUCTIVITY	Y (UMHO/CM)		DET'N LIMIT = 1.	GUIDELINE = 400 (F2)
MAL	388		414	492	
FEB	010000000000000000000000000000000000000				
	388		444	443	
MAR	390		419	402	
APR	394		431	436	
MAY	393		463	492	
JUN	396		397	399	
JUL	393		410	414	
AUG	396		427	416	
SEP	381		508	482	
OCT	394		397	397	
NOV	396		455	430	
DEC	390		440	398	
DISS ORG CAR	RBON (MG/L)		DET'N LIMIT = .100	GUIDELINE = 5.0 (A3)
JAN	1.500		100	1.600	
FEB	1.200	1.	300	1.300	
MAR	1.400		400	1.600	
APR	1.400		300	1.300	
MAY	1.100		200	1.300	
JUN	1.200		200	1.200	
JUL	1.200		300	1.300	
AUG	1.200		400	1.200	
SEP	1.500		000	1.300	
OCT	1.300	1.	200	1.200	
NOV	1.100	1.	100	1.200	
DEC	1.100		900	1.000	
FLUORIDE (MG/	(L)			DET'N LIMIT = 0.01	GUIDELINE = 2.4 (A1)
JAN	.060		080	.060	
FEB	.060		060	.080	
MAR	.060		040 <t< td=""><td>.040 <t< td=""><td></td></t<></td></t<>	.040 <t< td=""><td></td></t<>	
APR	.060		060	.080	
MAY	.060		060	.060	
JUN	.060		040 <t< td=""><td>.060</td><td></td></t<>	.060	
JUL	.060		060	.060	
AUG	.080		080	.080	
SEP	.060		040 <t< td=""><td>.060</td><td></td></t<>	.060	
OCT	.060		060	.060	
NOV	.060	9 9	060	.060	
DEC	.040 <t< td=""><td></td><td>080</td><td>.080</td><td></td></t<>		080	.080	
HARDNESS (MG	i/L)		*******	DET'N LIMIT = 0.5	GUIDELINE = 80-100 (A4)
JAN	203.500	216.	600	233.300	
FEB	196.600	215.	100	213.300	
MAR	207.000	214.		211.000	
APR	198.000	217.		217.000	
MAY	187.000	219.		228.900	
	205.000	207.		208.000	
	207.000	211.		211.000	
	212.500	226.		218.800	
	209.700	241.		238.500	
OCT	213.800	212.	800	208.700	
NOV	210.000	226.	000	215.000	
	198.000	210.		199.000	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

		STANDING	FREE FLOW	
IONCAL	(DMNSLESS)		DET'N LIMIT = N/A	GUIDELINE = N/A
JAN	.581	2.947	.184	
FEB	3.582	2.846	3.218	
MAR	.541	.970	1.314	
APR	4.221	.078	.165	
HAY	5.043	.603	1.401	
JUN	.008	.815	.427	
			.028	
JUL	.448	.801		
AUG	2.755	4.312	3.435	
SEP	3.592	.958	4.082	
OCT	4.005	3.778	1.270	
NOV	3.858	1.086	4.155	
DEC	3.595	3.732	3.543	
LANGELI	ERS INDEX (DMNSLESS	;)	DET'N LIMIT = N/A	GUIDELINE = N/A
JAN	1.022	1.082	1.092	
FEB	.966	1.129	1.025	
MAR	.944	1.050	1.001	
APR	.960	1.121	1.024	
MAY	.752	.803	.847	
JUN	.829	.855	.851	
JUL	1.050	1.052	1.079	
AUG	.865	.929	.874	
SEP	1.084	1.069	1.077	
	.832	.825	.830	
OCT				
NOV	.995	1.235	1.196	
DEC	.923	.990	.950	
MAGNESI	JM (MG/L)		DET'N LIMIT = 0.10	GUIDELINE = 30 (F2)
MAL	13.600	15.200	16.450	
FEB	13.700	15.400	15.400	79
MAR	14.200	15.200	14.800	
APR	13.500	15.500	15.600	
MAY	13.200	14.850	15.450	
JUN	14.200	14.400	14.300	
JUL	14.000	14.800	14.800	
AUG	14.000	14.800	14.350	
SEP	14.600	16.650	16.500	
	13.900		13.900	
OCT	0.000 (0.000)	14.200		
NOV DEC	13.600 12.700	14.700 13.700	14.800 13.000	
SODIUM	(MG/L)		DET'N LIMIT = 0.2	GUIDELINE = 200 (A4)
1411	E 700	9 700	14.200	
JAN	5.300	8.300 10.800	10.600	
FEB	6.200 5.400	8.800	6.600	
MAR				
APR	5.400	9.000	8.800	
MAY	6.200	11.800	14.500	
JUN	5.400	6.400	6.200	
JUL	5.000	7.400	8.000	
AUG	5.800	8.200	8.000	
SEP	5.800	16.800	15.300	
OCT	5.500	6.100	6.100	(*)
NOV	5.800	8.800	7.400	
			3 To 37 1 To 37 1 To 37 1	
DEC	6.200	11.000	7.000	

RAW WELL

DISTRIBUTION SYSTEM

RAW 1

	www.wananananananan	STANDING	FREE FL	OW
ATOT MUINOMINA	L (MG/L)	DET'N LIMIT =	0.002 GUIDELINE = 0.05 (F2)
NAL	.034	.006 <t< td=""><td>.002</td><td><τ</td></t<>	.002	<τ
FEB	.030	BOL	.006	
MAR	.028	.006 <t< td=""><td></td><td>59(70)</td></t<>		59(70)
APR	BDL	.042	.042	
MAY	.026	.014	BDL	
JUN	.024	.010	.016	
JUL	.030	.008 <t< td=""><td></td><td></td></t<>		
AUG	.038	BDL	BOL	i A
SEP	.020	BDL	BDL	
OCT	.038	.024	.022	
NOV	.038	.002 <7		
DEC	.032	BDL	.010	
	.032			
NITRITE (MG/L)		DET'N LIMIT =	0.001 GUIDELINE = 1 (A1)
JAN	002 <t< td=""><td>.033</td><td>.025</td><td></td></t<>	.033	.025	
FEB	.001 <t< td=""><td>-010</td><td>.022</td><td></td></t<>	-010	.022	
MAR	.004 <t< td=""><td>.015</td><td>.017</td><td></td></t<>	.015	.017	
APR	.002 <t< td=""><td>.007</td><td>.007</td><td></td></t<>	.007	.007	
MAY	.003 <t< td=""><td>.010</td><td>.004</td><td>∢⊺</td></t<>	.010	.004	∢⊺
JUN	.001 <t< td=""><td>.001 <t< td=""><td>.001</td><td></td></t<></td></t<>	.001 <t< td=""><td>.001</td><td></td></t<>	.001	
JUL	.008	.014	.019	That
AUG	.001 <t< td=""><td>.002 <t< td=""><td>.002</td><td>eT.</td></t<></td></t<>	.002 <t< td=""><td>.002</td><td>eT.</td></t<>	.002	eT.
SEP	.002 <7	.003 <t< td=""><td>.004</td><td></td></t<>	.004	
OCT	BDL	.004 <t< td=""><td></td><td></td></t<>		
NOV	.001 <t< td=""><td>.002 <t< td=""><td></td><td></td></t<></td></t<>	.002 <t< td=""><td></td><td></td></t<>		
DEC	BOL	.012	.005	T.W.
TOTAL NITRATES	S (MG/L)	DET'N LIMIT =	0.005 GUIDELINE = 10 (A1)
JAN	.005 <t< td=""><td>.075</td><td>.080</td><td></td></t<>	.075	.080	
FEB	.010 <t< td=""><td>.065</td><td>.055</td><td></td></t<>	.065	.055	
	.005 <t< td=""><td>.065</td><td>.030</td><td></td></t<>	.065	.030	
APR	.085	.020 <t< td=""><td>.020</td><td>9₹1 18</td></t<>	.020	9 ₹1 18
MAY	.090	.135	. 165	樹
JUN	.005 <t< td=""><td>.005 <t< td=""><td>BDL</td><td></td></t<></td></t<>	.005 <t< td=""><td>BDL</td><td></td></t<>	BDL	
JUL	.010 <t< td=""><td>.060</td><td>.035</td><td></td></t<>	.060	.035	
AUG		.055		
	BDL		.055	
SEP	BDL	.060	.050	a.•
	.010 <t< td=""><td>.005 <t< td=""><td>.010</td><td><1</td></t<></td></t<>	.005 <t< td=""><td>.010</td><td><1</td></t<>	.010	<1
NOV	BDL	.065	.040	
DEC	.010 <t< td=""><td>.040</td><td>.005</td><td><1</td></t<>	.040	.005	<1
NITROGEN TOT I	CJELD (MG/	L)	DET'N LIMIT =	0.02 GUIDELINE = N/A
MAL	.110	.080 <t< td=""><td>.090</td><td><1 ∞</td></t<>	.090	<1 ∞
FEB	.110	.110	.100	
MAR	. 100	.080 <t< td=""><td>.060</td><td><1</td></t<>	.060	<1
APR	.120	. 190	.110	
MAY	.070 <t< td=""><td>.080 <t< td=""><td>.070</td><td><1</td></t<></td></t<>	.080 <t< td=""><td>.070</td><td><1</td></t<>	.070	<1
JUN	.090 <t< td=""><td>.080 <t< td=""><td>.090</td><td></td></t<></td></t<>	.080 <t< td=""><td>.090</td><td></td></t<>	.090	
JUL	.080 <t< td=""><td>.100</td><td>.060</td><td></td></t<>	.100	.060	
AUG	.110	.080 <t< td=""><td>.080</td><td></td></t<>	.080	
SEP OCT	.060 <t< td=""><td>.030 <t< td=""><td>.030</td><td></td></t<></td></t<>	.030 <t< td=""><td>.030</td><td></td></t<>	.030	
1.00.1	. 100	.060 <t< td=""><td>.060</td><td>51</td></t<>	.060	51
	000	000	0/0	4 7
NOV DEC	.080 <t< td=""><td>.080 <t .030 <t< td=""><td>.060</td><td></td></t<></t </td></t<>	.080 <t .030 <t< td=""><td>.060</td><td></td></t<></t 	.060	

RAW WELL

DISTRIBUTION SYSTEM

RAW 1

SS)		DET'N LIMIT = N/A	GUIDELINE = 6.5-8.5(A
8.400	8.440	8.410	
		8.450	
8.230	8.250	8.220	
8.460	8.370	8.390	
		8,210	*
8.310	8.340	8.340	
FIL REACT (MG/	L)	DET'N LIMIT = 0.0005	GUIDELINE = N/A
002 <t< td=""><td></td><td></td><td></td></t<>			
	<i>₩</i> 0		
	: £n	•	
	<i>11</i>	₽ .	
	• ?	::•	
.001 <t< td=""><td>₩U</td><td>₹₩.</td><td></td></t<>	₩ U	₹₩.	
.002	2° 387.	1 mg	
.002		16	
.003	<u> </u>	520	
		188 14 .27	
	5. 1	10 to	
	•	*₩	
	•	10 .0 00	* 8
TOTAL (MG/L)	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
TOTAL (MG/L)	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
.003 <t< td=""><td>) a</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t<>) a	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
.003 <t .017</t) n	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
.003 <t .017 .003 <t< td=""><td>• • • • • • • • • • • • • • • • • • •</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t<></t 	• • • • • • • • • • • • • • • • • • •	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
.003 <t .017</t) _n	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
.003 <t .017 .003 <t< td=""><td></td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t<></t 		DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
.003 <t .017 .003 <t .003 .004 <t< td=""><td></td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t<></t </t 		DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
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.003 <t .017 .003 <t .003 <t .004 <t .002 <t .005 <t .004 <t .004 <t .004 <t .004 <t< td=""><td>14.420 17.370</td><td>DET'N LIMIT = .200 18.660 16.710</td><td></td></t<></t </t </t </t </t </t </t </t </t 	14.420 17.370	DET'N LIMIT = .200 18.660 16.710	
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.003 <t .017 .003 <t .003 <t .004 <t .002 <t .005 <t .004 <t .004 <t .004 <t .004 <t .004 <t .004 <t .004 <t .007 <t .008 <t .009 <t< td=""><td>14.420 17.370 17.470 15.510 18.910 18.640 17.090 18.040 20.180</td><td>DET'N LIMIT = .200 18.660 16.710 18.530 15.550 19.900 18.740 16.810 18.030 18.380</td><td>GUIDELINE = .40 (F2) GUIDELINE = 500 (A3)</td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	14.420 17.370 17.470 15.510 18.910 18.640 17.090 18.040 20.180	DET'N LIMIT = .200 18.660 16.710 18.530 15.550 19.900 18.740 16.810 18.030 18.380	GUIDELINE = .40 (F2) GUIDELINE = 500 (A3)
	8.400 8.370 8.330 8.350 8.200 8.220 8.430 8.230 8.460 8.200 8.370 8.310 FIL REACT (MG/	8.400 8.440 8.370 8.490 8.330 8.420 8.350 8.480 8.200 8.150 8.220 8.240 8.430 8.230 8.230 8.250 8.460 8.370 8.200 8.200 8.370 8.540 8.310 8.340 FIL REACT (MG/L) .002 <t< td=""><td>8.400 8.440 8.410 8.370 8.490 8.390 8.330 8.420 8.380 8.350 8.480 8.380 8.200 8.150 8.170 8.220 8.240 8.230 8.430 8.450 8.230 8.430 8.450 8.220 8.460 8.370 8.390 8.200 8.200 8.210 8.370 8.540 8.540 8.310 8.340 B.340 FIL REACT (MG/L) DET'N LIMIT = 0.0005 .002 <t< td=""></t<></td></t<>	8.400 8.440 8.410 8.370 8.490 8.390 8.330 8.420 8.380 8.350 8.480 8.380 8.200 8.150 8.170 8.220 8.240 8.230 8.430 8.450 8.230 8.430 8.450 8.220 8.460 8.370 8.390 8.200 8.200 8.210 8.370 8.540 8.540 8.310 8.340 B.340 FIL REACT (MG/L) DET'N LIMIT = 0.0005 .002 <t< td=""></t<>

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

			STANDING	FREE FLOW		
TURBIDITY	(FTU)		DET'N LIMIT = 0.05	GUIDELINE = 1	(A1)
JAN	2.100		.740	.760		
FEB	3.500		.990	1.040		
MAR	3.700		.770	.680		
APR	3.300		.370	.440		
MAY	3.600		.640	.990		
JUN	3.500		.300	.350		
JUL	3.100		.270	.570		
AUG	2.500		-490	.410		
SEP	2.400		.180 <t< td=""><td>.360</td><td></td><td></td></t<>	.360		
OCT	3.000		.490	.540		
NOV	2.900		.250	.500		
DEC	4.000		-190	.660		

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

		STANDING	FREE FLOW	
	METALS		DET.IN 1 1417 - 0 0F	GUIDELINE = 50 (A1)
SILVER (L	IG/L)		DET'N LIMIT = 0.05	GOIDELINE = 50 (A)
JAN	BOL	BDL	BDL	
FEB	BDL	BDL	BDL	
MAR	BDL	BDL	BDL	
APR	BDL	BOL	BDL	
MAY	BDL	BDL	.060 <t< td=""><td></td></t<>	
JUN	BDL	BDL	BDL	
JUL	BDL	BDL	BDL	
AUG	BDL	BDL	BDL	
SEP	BDL	BDL	BDL	
		BDL	BDL	
OCT	BDL			
NOV	BOL	BDL	BDL BDL	
DEC	BDL	BOL		
LUMINUM	(UG/L)		DET'N LIMIT = 0.10	GUIDELINE = 100 (A4)
JAN	5.400	7.300	7.900	
FEB	9.900	11.000	12.000	
MAR	12.000	14.000	14.000	
APR	12.000	14.000	14.000	
MAY	45.000	49.000	43.000	
JUN	5.100	6.200	5.800	*
JUL	6.400	9.200	7.500	
AUG	8.900	10.000	8.400	
SEP	6.400	8.000	7.800	
OCT	1.900	2.400	2.500	
			2.100	8
NOV DEC	1.600 2.000	2.100 2.400	2.200	
ARSENIC (UG/L)		DET'N LIMIT = 0.10	GUIDELINE = 25 (A1)
	.530 <t< td=""><td>.250 <t< td=""><td>.420 <t< td=""><td></td></t<></td></t<></td></t<>	.250 <t< td=""><td>.420 <t< td=""><td></td></t<></td></t<>	.420 <t< td=""><td></td></t<>	
JAN	.530 <t< td=""><td>.250 <t< td=""><td>.420 <t< td=""><td></td></t<></td></t<></td></t<>	.250 <t< td=""><td>.420 <t< td=""><td></td></t<></td></t<>	.420 <t< td=""><td></td></t<>	
JAN FEB	.430 <t< td=""><td>.410 <t< td=""><td>.350 <t< td=""><td></td></t<></td></t<></td></t<>	.410 <t< td=""><td>.350 <t< td=""><td></td></t<></td></t<>	.350 <t< td=""><td></td></t<>	
JAN FEB Mar	.430 <t .350 <t< td=""><td>.410 <t .320 <t< td=""><td>.350 <t .280 <t< td=""><td></td></t<></t </td></t<></t </td></t<></t 	.410 <t .320 <t< td=""><td>.350 <t .280 <t< td=""><td></td></t<></t </td></t<></t 	.350 <t .280 <t< td=""><td></td></t<></t 	
JAN FEB MAR APR	.430 <t .350 <t .720 <t< td=""><td>.410 <t .320 <t .260 <t< td=""><td>.350 <t .280 <t .210 <t< td=""><td>2 9 9 12 E</td></t<></t </t </td></t<></t </t </td></t<></t </t 	.410 <t .320 <t .260 <t< td=""><td>.350 <t .280 <t .210 <t< td=""><td>2 9 9 12 E</td></t<></t </t </td></t<></t </t 	.350 <t .280 <t .210 <t< td=""><td>2 9 9 12 E</td></t<></t </t 	2 9 9 12 E
JAN FEB MAR APR MAY	.430 <t .350 <t .720 <t .470 <t< td=""><td>.410 <t .320 <t .260 <t .370 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t< td=""><td>15 a a 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3</td></t<></t </t </t </td></t<></t </t </t </td></t<></t </t </t 	.410 <t .320 <t .260 <t .370 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t< td=""><td>15 a a 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3</td></t<></t </t </t </td></t<></t </t </t 	.350 <t .280 <t .210 <t .220 <t< td=""><td>15 a a 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3</td></t<></t </t </t 	15 a a 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
JAN FEB MAR APR MAY JUN	.430 <t .350 <t .720 <t .470 <t .280 <t< td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t< td=""><td>1 8 8 8 8 11</td></t<></t </t </t </t </td></t<></t </t </t </t </td></t<></t </t </t </t 	.410 <t .320 <t .260 <t .370 <t .280 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t< td=""><td>1 8 8 8 8 11</td></t<></t </t </t </t </td></t<></t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t< td=""><td>1 8 8 8 8 11</td></t<></t </t </t </t 	1 8 8 8 8 11
JAN FEB MAR APR MAY	.430 <t .350 <t .720 <t .470 <t .280 <t .480 <t< td=""><td>.410 <t .320 <t .260 <t .370 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t< td=""><td>To a second Seco</td></t<></t </t </t </td></t<></t </t </t </td></t<></t </t </t </t </t 	.410 <t .320 <t .260 <t .370 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t< td=""><td>To a second Seco</td></t<></t </t </t </td></t<></t </t </t 	.350 <t .280 <t .210 <t .220 <t< td=""><td>To a second Seco</td></t<></t </t </t 	To a second Seco
JAN FEB MAR APR MAY JUN	.430 <t .350 <t .720 <t .470 <t .280 <t< td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t< td=""><td>10 a a 6 8</td></t<></t </t </t </t </td></t<></t </t </t </t </td></t<></t </t </t </t 	.410 <t .320 <t .260 <t .370 <t .280 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t< td=""><td>10 a a 6 8</td></t<></t </t </t </t </td></t<></t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t< td=""><td>10 a a 6 8</td></t<></t </t </t </t 	10 a a 6 8
JAN FEB MAR APR MAY JUN JUL	.430 <t .350 <t .720 <t .470 <t .280 <t .480 <t< td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t< td=""><td>2 a a 32 a 32 a 33 a 34 a 34 a 34 a 34 a</td></t<></t </t </t </t </t </td></t<></t </t </t </t </t </td></t<></t </t </t </t </t 	.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t< td=""><td>2 a a 32 a 32 a 33 a 34 a 34 a 34 a 34 a</td></t<></t </t </t </t </t </td></t<></t </t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t< td=""><td>2 a a 32 a 32 a 33 a 34 a 34 a 34 a 34 a</td></t<></t </t </t </t </t 	2 a a 32 a 32 a 33 a 34 a 34 a 34 a 34 a
JAN FEB MAR APR MAY JUN JUL AUG SEP	.430 <t .350 <t .720 <t .470 <t .280 <t .480 <t .250 <t< td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL</t </t </t </t </t </t </td><td></td></t<></t </t </t </t </t </t </td></t<></t </t </t </t </t </t 	.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL</t </t </t </t </t </t </td><td></td></t<></t </t </t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL</t </t </t </t </t </t 	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	.430 <t .350 <t .720 <t .470 <t .280 <t .480 <t .250 <t< td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL</t </t </t </t </t </t </td><td></td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </t </t </t 	.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL</t </t </t </t </t </t </td><td></td></t<></t </t </t </t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL</t </t </t </t </t </t 	
JAN FEB MAR APR MAY JUN JUL AUG SEP	.430 <t .350 <t .720 <t .470 <t .280 <t .480 <t .250 <t .500 <t< td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL</t </t </t </t </t </t </t </td><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t< td=""><td></td></t<></t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t 	.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL</t </t </t </t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t< td=""><td></td></t<></t </t </t </t </t </t 	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.430 <t .250="" .280="" .350="" .410="" .470="" .480="" .500="" .640="" .720="" <t="" <t<="" td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .BDL .BDL .280 <t .420 <t< td=""><td>GUIDELINE = 1000 (A2)</td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t </t </td></t>	.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .BDL .BDL .280 <t .420 <t< td=""><td>GUIDELINE = 1000 (A2)</td></t<></t </t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .BDL .BDL .280 <t .420 <t< td=""><td>GUIDELINE = 1000 (A2)</td></t<></t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.430 <t .250="" .280="" .350="" .410="" .440="" .470="" .480="" .500="" .720="" <t="" <t<="" td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t .110 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .310 <t< td=""><td>GUIDELINE = 1000 (A2)</td></t<></t </t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t </t </t </td></t>	.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t .110 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .310 <t< td=""><td>GUIDELINE = 1000 (A2)</td></t<></t </t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .310 <t< td=""><td>GUIDELINE = 1000 (A2)</td></t<></t </t </t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.430 <t .200.000<="" .250="" .280="" .350="" .410="" .470="" .480="" .500="" .640="" .720="" <t="" td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t .110 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t DET'N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2)</td></t<></t </t </t </t </t </t </t </t </t </td></t>	.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t .110 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t DET'N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2)</td></t<></t </t </t </t </t </t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t DET'N LIMIT = 0.05</t </t </t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ARIUM (L	.430 <t .250="" .280="" .350="" .410="" .440="" .470="" .480="" .500="" .720="" <t="" <t<="" td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t .110 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .310 <t< td=""><td>GUIDELINE = 1000 (A2</td></t<></t </t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t </t </t </td></t>	.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t .110 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .310 <t< td=""><td>GUIDELINE = 1000 (A2</td></t<></t </t </t </t </t </t </t </t </t </td></t<></t </t </t </t </t </t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .310 <t< td=""><td>GUIDELINE = 1000 (A2</td></t<></t </t </t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR	.430 <t .200.000<="" .250="" .280="" .350="" .410="" .470="" .480="" .500="" .640="" .720="" <t="" td=""><td>.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t .110 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t DET'N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2</td></t<></t </t </t </t </t </t </t </t </t </td></t>	.410 <t .320 <t .260 <t .370 <t .280 <t .270 <t .130 <t BDL .420 <t .250 <t .110 <t< td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t DET'N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2</td></t<></t </t </t </t </t </t </t </t </t 	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t DET'N LIMIT = 0.05</t </t </t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR	.430 <t .200.000="" .210.000<="" .220.000="" .250="" .280="" .350="" .410="" .440="" .470="" .480="" .500="" .640="" .720="" <t="" td=""><td>.410 <t .110="" .130="" .250="" .260="" .270="" .280="" .320="" .370="" .420="" .80l="" <t="" <t<="" td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .310 <t .310 <t .310 <t< td=""><td>GUIDELINE = 1000 (A2</td></t<></t </t </t </t </t </t </t </t </t </t </t </td></t></td></t>	.410 <t .110="" .130="" .250="" .260="" .270="" .280="" .320="" .370="" .420="" .80l="" <t="" <t<="" td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .310 <t .310 <t .310 <t< td=""><td>GUIDELINE = 1000 (A2</td></t<></t </t </t </t </t </t </t </t </t </t </t </td></t>	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .310 <t .310 <t .310 <t< td=""><td>GUIDELINE = 1000 (A2</td></t<></t </t </t </t </t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.430 <t .200.000="" .200.000<="" .220.000="" .250="" .280="" .350="" .410="" .470="" .480="" .500="" .640="" .720="" <t="" td=""><td>.410 <t .110="" .130="" .250="" .260="" .270="" .280="" .320="" .370="" .420="" <t="" <t<="" bdl="" td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t .20.000 170.000 200.000 180.000 210.000</t </t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2</td></t></td></t>	.410 <t .110="" .130="" .250="" .260="" .270="" .280="" .320="" .370="" .420="" <t="" <t<="" bdl="" td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t .20.000 170.000 200.000 180.000 210.000</t </t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2</td></t>	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t .20.000 170.000 200.000 180.000 210.000</t </t </t </t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.430 <t .200.000="" .200.000<="" .220.000="" .250="" .280="" .350="" .410="" .470="" .480="" .500="" .640="" .720="" <t="" td=""><td>.410 <t .110="" .130="" .200.000="" .200.000<="" .250="" .260="" .270="" .280="" .320="" .370="" .420="" .80l="" <t="" td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t DET'N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2</td></t></td></t>	.410 <t .110="" .130="" .200.000="" .200.000<="" .250="" .260="" .270="" .280="" .320="" .370="" .420="" .80l="" <t="" td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t DET'N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2</td></t>	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t BDL BDL .280 <t .420 <t .310 <t DET'N LIMIT = 0.05</t </t </t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.430 <t .250="" .280="" .350="" .410="" .470="" .480="" .500="" .640="" .720="" 200.000="" 210.000="" 220.000="" 220.000<="" <t="" td=""><td>.410 <t .110="" .130="" .250="" .260="" .270="" .280="" .320="" .370="" .420="" .80l="" <t="" <t<="" td=""><td>.350 <t .280 <t .210 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .250 <t .310 <</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2</td></t></td></t>	.410 <t .110="" .130="" .250="" .260="" .270="" .280="" .320="" .370="" .420="" .80l="" <t="" <t<="" td=""><td>.350 <t .280 <t .210 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .250 <t .310 <</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2</td></t>	.350 <t .280 <t .210 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .250 <t .310 <</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2
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JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	.430 <t .20.000="" .200.000="" .200.000<="" .250="" .280="" .350="" .410="" .470="" .480="" .500="" .640="" .720="" <t="" td=""><td>.410 <t .110="" .130="" .200.000="" .200.000<="" .250="" .250.000="" .260="" .270="" .280="" .320="" .370="" .420="" .80l="" <t="" td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .250 <t .420 <t .310 <t .250 <t .420 <t .310 <t .250 <t .310 <</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2)</td></t></td></t>	.410 <t .110="" .130="" .200.000="" .200.000<="" .250="" .250.000="" .260="" .270="" .280="" .320="" .370="" .420="" .80l="" <t="" td=""><td>.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .250 <t .420 <t .310 <t .250 <t .420 <t .310 <t .250 <t .310 <</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </td><td>GUIDELINE = 1000 (A2)</td></t>	.350 <t .280 <t .210 <t .220 <t .230 <t .230 <t .230 <t .240 <t .310 <t .250 <t .420 <t .310 <t .250 <t .420 <t .310 <t .250 <t .310 <</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	GUIDELINE = 1000 (A2)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

			STANDING	FREE FLOW	
BORON (UG/L)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DET'N LIMIT = 2.00	GUIDELINE = 5000 (A1)
JAN	13.000	< T	15.000 <t< td=""><td>14.000 <t< td=""><td></td></t<></td></t<>	14.000 <t< td=""><td></td></t<>	
FEB	12.000	 <t< b=""></t<>	11.000 <t< td=""><td>12.000 <t< td=""><td></td></t<></td></t<>	12.000 <t< td=""><td></td></t<>	
MAR	34.000	i i	45.000	43.000	
APR	30.000		32.000	23.000	
MAY	100.000		96.000	26.000	
JUN	18.000		26.000	20.000 <t< td=""><td></td></t<>	
JUL	27.000		27.000	29.000	
AUG	36.000		22.000	12.000 <t< td=""><td></td></t<>	
SEP	12.000		17.000 <t< td=""><td>14.000 <t< td=""><td></td></t<></td></t<>	14.000 <t< td=""><td></td></t<>	
OCT	21.000		22.000	21.000	
NOV	15.000		16.000 <t< td=""><td>12.000 <t< td=""><td></td></t<></td></t<>	12.000 <t< td=""><td></td></t<>	
DEC	11.000		15.000 <t< td=""><td>17.000 <t< td=""><td></td></t<></td></t<>	17.000 <t< td=""><td></td></t<>	
BERYLLIUM (UG/L)		DET'N LIMIT = 0.05	GUIDELINE = 6800 (D4)
JAN	BDL		BDL	BDL	
FEB	BDL		BDL	BDL	
MAR	BDL		BDL	.090 <t< td=""><td></td></t<>	
APR	.060		BOL		
MAY	.120			BDL	
			.120 <t< td=""><td>BDL</td><td></td></t<>	BDL	
JUN	BDL		BDL	BDL	
JUL	BDL		BDL	BDL	
AUG	BDL		BDL	BDL	
SEP	BDL		BDL	BDL	
ОСТ	BDL		BDL	BDL	
NOV	BDL		BDL	BDL	
DEC	BDL		BDL	BDL	
CADMIUM (UG/			, s	DET'N LIMIT = 0.05	GUIDELINE = 5 (A1)
JAN	BOL		BDL	BOL	
FEB	BDL		BDL	BDL	
MAR	BDL		BOL	BDL	
APR	BDL		BOL	BDL	
MAY	BDL		BDL	BDL	
JUN	BDL		BDL	BDL	
JUL	BDL		.060 <t< td=""><td>BDL</td><td></td></t<>	BDL	
AUG	BDL		.130 <t< td=""><td>BDL</td><td></td></t<>	BDL	
SEP	BDL		BDL	BDL	
OCT	BDL		BDL	BDL	
NOV	BOL		BDL	BDL	
DEC	BDL		BOL	BDL	
COBALT (UG/L	.)			DET'N LIMIT = 0.02	GUIDELINE = N/A
JAN	BDL		BDL	BDL	
FEB	BDL		BOL	BDL	
	BDL		BDL	BDL	***
MAR	.090	<t< td=""><td>.060 <t< td=""><td>_070 <t< td=""><td></td></t<></td></t<></td></t<>	.060 <t< td=""><td>_070 <t< td=""><td></td></t<></td></t<>	_070 <t< td=""><td></td></t<>	
MAR APR		5	.140 <t< td=""><td>.520 <t< td=""><td></td></t<></td></t<>	.520 <t< td=""><td></td></t<>	
APR			.100 <t< td=""><td>.130 <7</td><td></td></t<>	.130 <7	
APR MAY	BDL	<t< td=""><td></td><td>. 130 1</td><td></td></t<>		. 130 1	
APR MAY JUN	BDL .160				
APR MAY JUN JUL	.160 .050		.070 <t< td=""><td>.070 <t< td=""><td></td></t<></td></t<>	.070 <t< td=""><td></td></t<>	
APR MAY JUN JUL AUG	.160 .050 BDL	<1	.070 <t BDL</t 	.070 <t BDL</t 	
APR MAY JUN JUL AUG SEP	.160 .050 BDL .100	<1	.070 <t BDL BDL</t 	.070 <t BDL BDL</t 	
APR MAY JUN JUL AUG SEP OCT	.160 .050 BDL .100 BDL	<t< td=""><td>.070 <t BDL BDL BDL</t </td><td>.070 <t BDL BDL BDL</t </td><td></td></t<>	.070 <t BDL BDL BDL</t 	.070 <t BDL BDL BDL</t 	
APR MAY JUN JUL AUG SEP	.160 .050 BDL .100	<t< td=""><td>.070 <t BDL BDL</t </td><td>.070 <t BDL BDL</t </td><td>9 8</td></t<>	.070 <t BDL BDL</t 	.070 <t BDL BDL</t 	9 8

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

			STANDING	FREE FLOW	562
CHROMIUM	(UG/L)		DET'N LIMIT = 0.50	GUIDELINE = 50 (A1)
JAN '	BDL		BOL	BDL	
FEB	BDL		BOL	BDL	
MAR	3.100	<1	4.200 <t< td=""><td>4.200 <t< td=""><td></td></t<></td></t<>	4.200 <t< td=""><td></td></t<>	
APR	2.600	<t< td=""><td>2.700 <t< td=""><td>1.100 <t< td=""><td></td></t<></td></t<></td></t<>	2.700 <t< td=""><td>1.100 <t< td=""><td></td></t<></td></t<>	1.100 <t< td=""><td></td></t<>	
MAY	5.300		5.100	BDL	
JUN	1.800	<t< td=""><td>3.700 <t< td=""><td>2.300 <t< td=""><td></td></t<></td></t<></td></t<>	3.700 <t< td=""><td>2.300 <t< td=""><td></td></t<></td></t<>	2.300 <t< td=""><td></td></t<>	
JUL	3.600		3.000 <t< td=""><td>3.300 <t< td=""><td></td></t<></td></t<>	3.300 <t< td=""><td></td></t<>	
AUG	4.500		1.200 <t< td=""><td>BDL</td><td></td></t<>	BDL	
SEP	BDL		BDL	BDL	
OCT	4.400	-T	4.700 <t< td=""><td>4.300 <t< td=""><td></td></t<></td></t<>	4.300 <t< td=""><td></td></t<>	
NOV	1.500		1.500 <t< td=""><td>.600 <t< td=""><td></td></t<></td></t<>	.600 <t< td=""><td></td></t<>	
	BDL	``	BDL	2.600 <t< td=""><td></td></t<>	
DEC	BUL		DUL	2.000 \1	
COPPER (U	G/L)			DET'N LIMIT = 0.50	GUIDELINE = 1000 (A3
JAN	BDL		170.000	100.000	
FEB	- BDL		310.000	71.000	
MAR	BDL		230.000	53.000	
APR	BDL		150.000	140.000	
MAY	BDL		76.000	720.000	
JUN	BDL		170.000	140.000	
JUL .	BDL		270.000	140.000	
AUG	BDL		350.000	190.000	
SEP	BDL		580.000	210.000	
OCT	BDL		130.000	140.000	
NOV	BDL		480.000	170.000	
MOA	BUL		400.000	170.000	
DEC	1.700	<t< th=""><th>480.000</th><th>130.000</th><th>200 447</th></t<>	480.000	130.000	200 447
IRON (UG/	L)	<t </t 		DET'N LIMIT = 6.00	GUIDELINE = 300 (A3
RON (UG/	L) 380.000	<t< td=""><td>360.000</td><td>DET'N LIMIT = 6.00 310.000</td><td>GUIDELINE = 300 (A3</td></t<>	360.000	DET'N LIMIT = 6.00 310.000	GUIDELINE = 300 (A3
RON (UG/ JAN FEB	380.000 400.000	<t< td=""><td>360.000 320.000</td><td>DET'N LIMIT = 6.00 310.000 360.000</td><td>GUIDELINE = 300 (A3</td></t<>	360.000 320.000	DET'N LIMIT = 6.00 310.000 360.000	GUIDELINE = 300 (A3
RON (UG/ JAN FEB MAR	380.000 400.000 410.000	<t< td=""><td>360.000 320.000 330.000</td><td>310.000 360.000 370.000</td><td>GUIDELINE = 300 (A3</td></t<>	360.000 320.000 330.000	310.000 360.000 370.000	GUIDELINE = 300 (A3
JAN FEB MAR APR	380.000 400.000 410.000 400.000	∢ ⊺	360.000 320.000 330.000 360.000	310.000 360.000 370.000 360.000	GUIDELINE = 300 (A3
JAN FEB MAR	380.000 400.000 410.000 400.000 370.000		360.000 320.000 330.000 360.000 330.000	310.000 360.000 370.000 360.000 270.000	GUIDELINE = 300 (A3
JAN FEB MAR APR	380.000 400.000 410.000 400.000		360.000 320.000 330.000 360.000	310.000 360.000 370.000 360.000 270.000 110.000	GUIDELINE = 300 (A3
JAN FEB MAR APR MAY	380.000 400.000 410.000 400.000 370.000		360.000 320.000 330.000 360.000 330.000	310.000 360.000 370.000 360.000 270.000	GUIDELINE = 300 (A3
JAN FEB MAR APR MAY JUN	380.000 400.000 410.000 400.000 370.000 7.700		360.000 320.000 330.000 360.000 330.000 110.000	310.000 360.000 370.000 360.000 270.000 110.000	GUIDELINE = 300 (A3
IRON (UG/ JAN FEB MAR APR MAY JUN JUL	380.000 400.000 410.000 410.000 370.000 7.700 420.000		360.000 320.000 330.000 360.000 330.000 110.000 320.000	310.000 360.000 370.000 360.000 270.000 110.000 340.000	GUIDELINE = 300 (A3
JAN FEB MAR APR MAY JUN JUL AUG	380.000 400.000 410.000 400.000 370.000 7.700 420.000 350.000		360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000	310.000 360.000 370.000 360.000 270.000 110.000 340.000 310.000	GUIDELINE = 300 (A3
JAN FEB MAR APR MAY JUN JUL AUG SEP	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000		360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000 180.000	310.000 360.000 370.000 360.000 270.000 110.000 340.000 310.000 340.000	GUIDELINE = 300 (A3
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	380.000 400.000 410.000 400.000 370.000 7.700 420.000 350.000 440.000		360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000 180.000 330.000	310.000 360.000 370.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 340.000	GUIDELINE = 300 (A3
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 400.000 360.000 410.000		360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000 180.000 330.000 190.000	310.000 360.000 370.000 360.000 270.000 110.000 340.000 310.000 340.000 340.000 310.000	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 400.000 410.000	∢1	360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000 180.000 390.000 190.000	310.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 310.000 310.000 300.000	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 400.000 360.000 410.000	∢1	360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000 180.000 330.000 190.000	310.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 310.000 300.000 DET'N LIMIT = 0.05	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 400.000 360.000 410.000 (UG/L	∢1	360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000 180.000 330.000 190.000 140.000	310.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 340.000 310.000 300.000 DET'N LIMIT = 0.05	
IRON (UG/ JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE JAN FEB MAR	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 400.000 360.000 410.000 (UG/L	∢1	360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000 180.000 330.000 190.000 140.000	310.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 340.000 310.000 300.000 DET'N LIMIT = 0.05	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE JAN FEB MAR APR	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 400.000 360.000 410.000 (UG/L	∢1	360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000 180.000 330.000 190.000 140.000 26.000 23.000 26.000	310.000 360.000 370.000 360.000 270.000 110.000 340.000 310.000 340.000 340.000 310.000 300.000 DET'N LIMIT = 0.05	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE JAN FEB MAR APR MAY	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 400.000 400.000 410.000 (UG/L 21.000 18.000 19.000 20.000	∢1	360.000 320.000 330.000 360.000 330.000 110.000 320.000 220.000 180.000 330.000 190.000 140.000 241.000 25.000 26.000 23.000	DET'N LIMIT = 6.00 310.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 340.000 340.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE JAN FEB MAR APR MAY JUN	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 360.000 410.000 (UG/L 21.000 18.000 19.000 19.000 20.000 16.000	∢1	360.000 320.000 330.000 330.000 110.000 320.000 220.000 180.000 190.000 140.000 21.000 23.000 23.000 23.000 31.000	DET'N LIMIT = 6.00 310.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 340.000 340.000 310.000 310.000 300.000 DET'N LIMIT = 0.05	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE JAN FEB MAR APR MAY JUN JUL	380.000 400.000 410.000 410.000 7.700 420.000 350.000 440.000 360.000 410.000 (UG/L 21.000 18.000 19.000 20.000 21.000	∢1	360.000 320.000 330.000 330.000 110.000 320.000 220.000 180.000 330.000 190.000 140.000 23.000 23.000 23.000 23.000 23.000 27.000	DET'N LIMIT = 6.00 310.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 340.000 310.000 340.000 310.000 20.000 DET'N LIMIT = 0.05	
IRON (UG/ JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE JAN FEB MAR APR MAY JUN JUL AUG	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 360.000 410.000 (UG/L 21.000 18.000 19.000 20.000 21.000 18.000	∢1	360.000 320.000 330.000 330.000 110.000 320.000 220.000 180.000 190.000 140.000 21.000 23.000 23.000 23.000 23.000 23.000 27.000 35.000	310.000 360.000 370.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 310.000 310.000 310.000 320.000 DET'N LIMIT = 0.05 31.000 21.000 22.000 26.000 33.000 31.000 24.000 24.000	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE JAN FEB MAR APR MAY JUN JUL AUG SEP	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 400.000 410.000 18.000 19.000 19.000 20.000 21.000 21.000 20.000	∢1	360.000 320.000 330.000 330.000 110.000 320.000 220.000 180.000 190.000 140.000 26.000 21.000 23.000 23.000 23.000 23.000 27.000 35.000 32.000	310.000 360.000 370.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 22.000 24.000 24.000 24.000 26.000	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR APR APR JUN JUL AUG SEP OCT TOV DEC	380.000 400.000 410.000 410.000 370.000 7,700 420.000 350.000 440.000 400.000 360.000 410.000 19.000 19.000 19.000 20.000 16.000 21.000 21.000 18.000	∢1	360.000 320.000 330.000 330.000 110.000 320.000 220.000 180.000 190.000 140.000 23.000 23.000 23.000 23.000 23.000 27.000 35.000 32.000 21.000 21.000	310.000 360.000 370.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 21.000 22.000 26.000 33.000 31.000 24.000 24.000 26.000 20.000	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC MANGANESE JAN FEB MAR APR MAY JUN JUL AUG SEP	380.000 400.000 410.000 410.000 370.000 7.700 420.000 350.000 440.000 400.000 410.000 18.000 19.000 19.000 20.000 21.000 21.000 20.000	∢1	360.000 320.000 330.000 330.000 110.000 320.000 220.000 180.000 190.000 140.000 26.000 21.000 23.000 23.000 23.000 23.000 27.000 35.000 32.000	310.000 360.000 370.000 360.000 370.000 360.000 270.000 110.000 340.000 340.000 340.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 310.000 22.000 24.000 24.000 24.000 26.000	

RAW WELL

DISTRIBUTION SYSTEM

RAW 1	SITE 1

		STANDING	FREE FLOW	
MOLYBDENUM (L	JG/L)	DE	T'N LIMIT = 0.05	GUIDELINE = N/A
JAN	.500 <t< td=""><td>.620</td><td>.550</td><td></td></t<>	.620	.550	
FEB	.480 <t< td=""><td>.530</td><td>.420 <t< td=""><td></td></t<></td></t<>	.530	.420 <t< td=""><td></td></t<>	
MAR	.440 <t< td=""><td>.510</td><td>.470 <t< td=""><td></td></t<></td></t<>	.510	.470 <t< td=""><td></td></t<>	
APR	.410 <t< td=""><td>.530</td><td>.480 <t< td=""><td></td></t<></td></t<>	.530	.480 <t< td=""><td></td></t<>	
MAY	.500 <t< td=""><td>.550</td><td>.490 <t< td=""><td></td></t<></td></t<>	.550	.490 <t< td=""><td></td></t<>	
JUN	.620	.370 <t< td=""><td>.400 <t< td=""><td></td></t<></td></t<>	.400 <t< td=""><td></td></t<>	
JUL	.430 <t< td=""><td>.600</td><td>.560</td><td></td></t<>	.600	.560	
AUG	.470 <t< td=""><td>.560</td><td>.470 <t< td=""><td></td></t<></td></t<>	.560	.470 <t< td=""><td></td></t<>	
SEP	.500 <t< td=""><td>.600</td><td>.510</td><td></td></t<>	.600	.510	
OCT	.470 <t< td=""><td>.480 <t< td=""><td>.510</td><td></td></t<></td></t<>	.480 <t< td=""><td>.510</td><td></td></t<>	.510	
NOV	.420 <t< td=""><td>.500 <t< td=""><td>.520</td><td></td></t<></td></t<>	.500 <t< td=""><td>.520</td><td></td></t<>	.520	
DEC	.470 <1	.510	.410 <t< td=""><td></td></t<>	
NICKEL (UG/L)	DE	r'n LIMIT = 0.20	GUIDELINE = 350 (D3)
JAN	- BDL	BDL	BDL	
FEB	BDL	BDL	BDL	
MAR	BDL	BDL	BDL	
APR	BDL	BDL	BDL	
MAY	BDL	4.800	38.000	
JUN	BDL	BDL	BDL	
JUL	BDL	BDL	BDL	
AUG	BDL	.740 <t< td=""><td>BDL</td><td></td></t<>	BDL	
SEP	BDL	BDL	BDL	
OCT	BOL	BDL	BDL	
NOV	BDL	BDL	BDL	
DEC	BDL	BDL	BDL	
DEC LEAD (UG/L	BDL)	BDL	BDL I'N LIMIT = 0.05	GUIDELINE = 10. (A1)
	••••••	BDL DE1	r'N LIMIT = 0.05	GUIDELINE = 10. (A1)
LEAD (UG/L) .790	BDL DE1		GUIDELINE = 10. (A1)
LEAD (UG/L JAN FEB	.790 .180 <t< td=""><td>BDL DE1 .520 1.700</td><td>.350 <t .170 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </td></t<>	BDL DE1 .520 1.700	.350 <t .170 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t 	GUIDELINE = 10. (A1)
LEAD (UG/L JAN FEB MAR	.790 .180 <t< td=""><td>.520 1.700 .960</td><td>.350 <t .170 <t .190 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </td></t<>	.520 1.700 .960	.350 <t .170 <t .190 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t 	GUIDELINE = 10. (A1)
LEAD (UG/L JAN FEB MAR APR) .790 .180 <t .080="" <t<="" bdl="" td=""><td>.520 1.700 .960 .280 <t< td=""><td>.350 <t .170 <t .190 <t .230 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </td></t<></td></t>	.520 1.700 .960 .280 <t< td=""><td>.350 <t .170 <t .190 <t .230 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </td></t<>	.350 <t .170 <t .190 <t .230 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t 	GUIDELINE = 10. (A1)
JAN FEB MAR APR MAY) .790 .180 <t .080="" .090="" <t="" <t<="" bdl="" td=""><td>.520 1.700 .960 .280 <7 .360 <7</td><td>.350 <t .170 <t .190 <t .230 <t 2.700</t </t </t </t </td><td>GUIDELINE = 10. (A1)</td></t>	.520 1.700 .960 .280 <7 .360 <7	.350 <t .170 <t .190 <t .230 <t 2.700</t </t </t </t 	GUIDELINE = 10. (A1)
LEAD (UG/L JAN FEB MAR APR MAY JUN) .790 .180 <t .080="" .090="" <t="" bdl="" bdl<="" td=""><td>.520 1.700 .960 .280 <t .360 <t< td=""><td>.350 <t .350 <t .170 <t .190 <t .230 <t 2.700 .240 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </t </t </td></t<></t </td></t>	.520 1.700 .960 .280 <t .360 <t< td=""><td>.350 <t .350 <t .170 <t .190 <t .230 <t 2.700 .240 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </t </t </td></t<></t 	.350 <t .350 <t .170 <t .190 <t .230 <t 2.700 .240 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </t </t 	GUIDELINE = 10. (A1)
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL) .790 .180 <t .080="" .090="" <t="" <t<="" bdl="" td=""><td>.520 1.700 .960 .280 <t .360 <t .300 <t 1.400</t </t </t </td><td>.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </t </t </td></t>	.520 1.700 .960 .280 <t .360 <t .300 <t 1.400</t </t </t 	.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </t </t 	GUIDELINE = 10. (A1)
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG) .790 .180 <t .080="" .090="" .120="" <t="" <t<="" bdl="" td=""><td>.520 1.700 .960 .280 <t .360 <t .300 <t 1.400 2.300</t </t </t </td><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </t </t </t </td></t>	.520 1.700 .960 .280 <t .360 <t .300 <t 1.400 2.300</t </t </t 	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </t </t </t 	GUIDELINE = 10. (A1)
JAN FEB MAR APR MAY JUN JUL AUG SEP) .790 .180 <t .010="" .080="" .090="" <t="" <t<="" td=""><td>.520 1.700 .960 .280 <t .360 <t .300 <t 1.400 2.300 .540</t </t </t </td><td>.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550</t </t </t </t </t </t </td><td>GUIDELINE = 10. (A1)</td></t>	.520 1.700 .960 .280 <t .360 <t .300 <t 1.400 2.300 .540</t </t </t 	.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550</t </t </t </t </t </t 	GUIDELINE = 10. (A1)
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT) .790 .180 <t .080="" .090="" .120="" <t="" <t<="" bdl="" td=""><td>.520 1.700 .960 .280 <t .360 <t .300 <t 1.400 2.300 .540 .390 <t< td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550</t </t </t </t </t </t </t </td><td>GUIDELINE = 10. (A1)</td></t<></t </t </t </td></t>	.520 1.700 .960 .280 <t .360 <t .300 <t 1.400 2.300 .540 .390 <t< td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550</t </t </t </t </t </t </t </td><td>GUIDELINE = 10. (A1)</td></t<></t </t </t 	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550</t </t </t </t </t </t </t 	GUIDELINE = 10. (A1)
JAN FEB MAR APR MAY JUN JUL AUG SEP) .790 .180 <t .010="" .080="" .090="" <t="" <t<="" td=""><td>.520 1.700 .960 .280 <t .360 <t .300 <t 1.400 2.300 .540</t </t </t </td><td>.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550</t </t </t </t </t </t </td><td>GUIDELINE = 10. (A1)</td></t>	.520 1.700 .960 .280 <t .360 <t .300 <t 1.400 2.300 .540</t </t </t 	.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550</t </t </t </t </t </t 	GUIDELINE = 10. (A1)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV) .790 .180 <t .060="" .080="" .090="" .120="" .140="" .80l="" <t="" <t<="" td=""><td>BDL .520 1.700 .960 .280 <t .300="" .360="" .390="" .540="" .820="" .950<="" 1.400="" 2.300="" <t="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t< td=""><td>GUIDELINE = 10. (A1) GUIDELINE = 146 (D4)</td></t<></t </t </t </t </t </t </t </td></t></td></t>	BDL .520 1.700 .960 .280 <t .300="" .360="" .390="" .540="" .820="" .950<="" 1.400="" 2.300="" <t="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t< td=""><td>GUIDELINE = 10. (A1) GUIDELINE = 146 (D4)</td></t<></t </t </t </t </t </t </t </td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t< td=""><td>GUIDELINE = 10. (A1) GUIDELINE = 146 (D4)</td></t<></t </t </t </t </t </t </t 	GUIDELINE = 10. (A1) GUIDELINE = 146 (D4)
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/) .790 .180 <t .060="" .080="" .090="" .120="" .140="" <t="" <t<="" bdl="" td=""><td>BDL .520 1.700 .960 .280 <t .300="" .360="" .390="" .540="" .820="" .950<="" 1.400="" 2.300="" <t="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </td></t></td></t>	BDL .520 1.700 .960 .280 <t .300="" .360="" .390="" .540="" .820="" .950<="" 1.400="" 2.300="" <t="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t 	
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/) .790 .180 <t .060="" .080="" .090="" .120="" .140="" <t="" <t<="" bdl="" td=""><td>BDL .520 1.700 .960 .280 <t .300="" .360="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" de1<="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </td></t></td></t>	BDL .520 1.700 .960 .280 <t .300="" .360="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" de1<="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t 	
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/) .790 .180 <t)="" .060="" .080="" .090="" .120="" .140="" .280="" .350="" <t="" <t<="" bdl="" l="" td=""><td>BDL .520 1.700 .960 .280 <t .300="" .360="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" de1<="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </td></t></td></t>	BDL .520 1.700 .960 .280 <t .300="" .360="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" de1<="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t 	
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/) .790 .180 <t)="" .060="" .080="" .090="" .120="" .140="" .280="" .350="" <t="" <t<="" bdl="" l="" td=""><td>BDL .520 1.700 .960 .280 <t .310="" .360="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" det="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </td></t></td></t>	BDL .520 1.700 .960 .280 <t .310="" .360="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" det="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t 	
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/) .790 .180 <t)="" .060="" .080="" .090="" .120="" .140="" .280="" .350="" .370="" <t="" <t<="" bdl="" l="" td=""><td>BDL .520 1.700 .960 .280 <t .310="" .340="" .360="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" det="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .360 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </td></t></td></t>	BDL .520 1.700 .960 .280 <t .310="" .340="" .360="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" det="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .360 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .360 <t .330 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t 	
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/) .790 .180 <t .060="" .080="" .090="" .120="" .140="" .220="" .280="" .350="" .370="" .80l="" <t="" <t<="" td=""><td>BDL .520 1.700 .960 .280 <t .300="" .310="" .360="" .390="" .540="" .700="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" de1="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .330 <t .290 <t .440 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </td></t></td></t>	BDL .520 1.700 .960 .280 <t .300="" .310="" .360="" .390="" .540="" .700="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" de1="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .330 <t .290 <t .440 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .330 <t .290 <t .440 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t 	
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/	, 790 .180 <t .80L .080 <t .090 <t .80L .080 <t .120 <t .060 <t .060 <t .140 <t .350 <t .350 <t .350 <t .350 <t< td=""><td>BDL .520 1.700 .960 .280 <t .300="" .310="" .360="" .390="" .540="" .540<="" .820="" .950="" 1.400="" 2.300="" <t="" de1="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .360 <t .350 <t .290 <t .400 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t </td></t></td></t<></t </t </t </t </t </t </t </t </t </t </t 	BDL .520 1.700 .960 .280 <t .300="" .310="" .360="" .390="" .540="" .540<="" .820="" .950="" 1.400="" 2.300="" <t="" de1="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .360 <t .350 <t .290 <t .400 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t </td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .360 <t .350 <t .290 <t .400 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t 	
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LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/ JAN FEB MAR APR MAY JUN JUL AUG	, 790 .180 <t .80L .080 <t .090 <t .80L .080 <t .120 <t .060 <t .060 <t .140 <t .140 <t .280 <t .350 <t .370 <t .220 <t .350 <t .220 <t .350 <t< td=""><td>.520 1.700 .960 .280 <t .230="" .270="" .300="" .310="" .360="" .380="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" det="" td=""><td>.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .400 <t .330 <t .360 <t .360 <t .290 <t .270 <t .270 <t .270 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </td></t></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	.520 1.700 .960 .280 <t .230="" .270="" .300="" .310="" .360="" .380="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" det="" td=""><td>.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .400 <t .330 <t .360 <t .360 <t .290 <t .270 <t .270 <t .270 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </td></t>	.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .400 <t .330 <t .360 <t .360 <t .290 <t .270 <t .270 <t .270 <t< td=""><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/ JAN FEB MAR APR MAY JUN JUL AUG SEP OCT ANTIMONY (UG/ JAN FEB MAR APR MAY JUN JUL AUG SEP	.790 .180 <t .80L .080 <t .090 <t .80L .080 <t .120 <t .060 <t .060 <t .140 <t .140 <t .350 <t .350 <t .370 <t .220 <t .360 <t .350 <t< td=""><td>.520 1.700 .960 .280 <t .230="" .270="" .300="" .310="" .360="" .380="" .390="" .410="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" de1="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .71N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </t </td><td></td></t></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t 	.520 1.700 .960 .280 <t .230="" .270="" .300="" .310="" .360="" .380="" .390="" .410="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" de1="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .71N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </t </td><td></td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .71N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </t 	
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/ JAN FEB MAR APR MAY JUN JUL AUG SEP OCT AUG SEP OCT AUG SEP OCT	.790 .180 <t .80L .080 <t .090 <t .80L .080 <t .120 <t .060 <t .060 <t .140 <t .140 <t .350 <t .350 <t .350 <t .350 <t .350 <t .220 <t .230 <t .220 <t .280 <t .280 <t< td=""><td>.520 1.700 .960 .280 <t .230="" .270="" .300="" .310="" .340="" .350="" .360="" .380="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" det="" td=""><td>.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .360 <t .370 <t .290 <t .240 <t .340 <t .340 <t .350 <t .350 <t .350 <t .360 <t .360 <t .370 <</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </td><td></td></t></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	.520 1.700 .960 .280 <t .230="" .270="" .300="" .310="" .340="" .350="" .360="" .380="" .390="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" det="" td=""><td>.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .360 <t .370 <t .290 <t .240 <t .340 <t .340 <t .350 <t .350 <t .350 <t .360 <t .360 <t .370 <</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </td><td></td></t>	.350 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .360 <t .360 <t .370 <t .290 <t .240 <t .340 <t .340 <t .350 <t .350 <t .350 <t .360 <t .360 <t .370 <</t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	
LEAD (UG/L JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANTIMONY (UG/ JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.790 .180 <t .80L .080 <t .090 <t .80L .080 <t .120 <t .060 <t .060 <t .140 <t .140 <t .350 <t .350 <t .370 <t .220 <t .360 <t .350 <t< td=""><td>.520 1.700 .960 .280 <t .230="" .270="" .300="" .310="" .360="" .380="" .390="" .410="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" de1="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .71N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </t </td><td></td></t></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t 	.520 1.700 .960 .280 <t .230="" .270="" .300="" .310="" .360="" .380="" .390="" .410="" .540="" .820="" .950="" 1.400="" 2.300="" <t="" <t<="" de1="" td=""><td>.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .71N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </t </td><td></td></t>	.350 <t .170 <t .170 <t .190 <t .230 <t 2.700 .240 <t .340 <t .520 .550 .400 <t .400 <t .330 <t .71N LIMIT = 0.05</t </t </t </t </t </t </t </t </t </t 	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

	RAW 1	SITE 1		
		STANDING	FREE FLOW	
or rous			DET.II . 1917 - 1 00	CUIDELINE - 10 (A1)
SELENIUM	(UG/L)		DET'N LIMIT = 1.00	GUIDELINE = 10 (A1)
JAN	BDL	BDL	1.100 <t< td=""><td></td></t<>	
FEB	BDL	BDL	BDL	
MAR	BDL	BDL	BOL	
APR	BDL	BDL	BOL	
MAY	BDL	BDL	BOL	
JUN	BDL	BOL	BDL	
JUL	BDL	BDL	BDL	
AUG	BDL	BDL	BDL	
SEP	BOL	BDL	BDL	
OCT	BDL	BDL	BDL	
NOV	BDL	BDL	BDL	
DEC	BDL	1.300 <t< td=""><td>BDL</td><td></td></t<>	BDL	
STRONTIUM	(UG/L)		DET'N LIMIT = 0.10	GUIDELINE = N/A
JAN	190.000	220.000	230.000	
FEB	170.000	180.000	180.000	
MAR	180.000	200.000	190.000	
APR	180.000	200.000	200.000	
MAY	180.000	200.000	220.000	
JUN	170.000	170.000	160.000	
JUL	180.000	190.000	190.000	
AUG	170.000	200.000	180.000	8
SEP	190.000	230.000	220.000	
OCT	170.000	180.000	170.000	
NOV	180.000	190.000	180.000	
DEC	190.000	200.000	160.000	
TITANIUM	(UG/L)		DET'N LIMIT = 0.50	GUIDLINE = N/A
JAN	12.000	14.000	13.000	
FEB	12.000	14.000	14.000	
MAR	16.000	16.000	16.000	
APR	17.000	18.000	18.000	
MAY	25.000	27.000	28.000	
JUN	33.000	34.000	36.000	
JUL	19.000	20.000	21.000	
AUG	31.000	38.000	35.000	
SEP	34.000	41.000	37.000	
OCT	21.000	22.000	23.000	
NOV	18.000	20.000	19.000	
DEC	29.000	35.000	28.000	
URANIUM (L	JG/L)		DET'N LIMIT = 0.05	GUIDELINE = 100 (A1)
MAL	.210 <t< td=""><td>.240 <t< td=""><td>.360 <t< td=""><td></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.360 <t< td=""><td></td></t<></td></t<>	.360 <t< td=""><td></td></t<>	
FEB	.250 <t< td=""><td>.190 <t< td=""><td>.170 <t< td=""><td></td></t<></td></t<></td></t<>	.190 <t< td=""><td>.170 <t< td=""><td></td></t<></td></t<>	.170 <t< td=""><td></td></t<>	
MAR	.220 <t< td=""><td>.270 <t< td=""><td>.240 <t< td=""><td></td></t<></td></t<></td></t<>	.270 <t< td=""><td>.240 <t< td=""><td></td></t<></td></t<>	.240 <t< td=""><td></td></t<>	
APR	.240 <t< td=""><td>.200 <t< td=""><td>.180 <t< td=""><td></td></t<></td></t<></td></t<>	.200 <t< td=""><td>.180 <t< td=""><td></td></t<></td></t<>	.180 <t< td=""><td></td></t<>	
MAY	.260 <t< td=""><td>.310 <t< td=""><td>.320 <t< td=""><td></td></t<></td></t<></td></t<>	.310 <t< td=""><td>.320 <t< td=""><td></td></t<></td></t<>	.320 <t< td=""><td></td></t<>	
JUN	.270 <t< td=""><td>.240 <t< td=""><td>.270 <t< td=""><td></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.270 <t< td=""><td></td></t<></td></t<>	.270 <t< td=""><td></td></t<>	
JUL	.300 <t< td=""><td>.240 <t< td=""><td>.300 <t< td=""><td></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.300 <t< td=""><td></td></t<></td></t<>	.300 <t< td=""><td></td></t<>	
AUG	.270 <t< td=""><td>.240 <t< td=""><td>.250 <t< td=""><td></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.250 <t< td=""><td></td></t<></td></t<>	.250 <t< td=""><td></td></t<>	
SEP	.200 <t< td=""><td>.340 <t< td=""><td>.220 <t< td=""><td></td></t<></td></t<></td></t<>	.340 <t< td=""><td>.220 <t< td=""><td></td></t<></td></t<>	.220 <t< td=""><td></td></t<>	
OCT	.270 <t< td=""><td>.280 <t< td=""><td>.280 <t< td=""><td></td></t<></td></t<></td></t<>	.280 <t< td=""><td>.280 <t< td=""><td></td></t<></td></t<>	.280 <t< td=""><td></td></t<>	
NOV	.280 <t< td=""><td>.230 <t< td=""><td>.230 <t< td=""><td></td></t<></td></t<></td></t<>	.230 <t< td=""><td>.230 <t< td=""><td></td></t<></td></t<>	.230 <t< td=""><td></td></t<>	
DEC	.260 <t< td=""><td>.340 <t< td=""><td>.270 <t< td=""><td></td></t<></td></t<></td></t<>	.340 <t< td=""><td>.270 <t< td=""><td></td></t<></td></t<>	.270 <t< td=""><td></td></t<>	
				(a)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

		0202		STAI	IDING	FREE	FLOW			
VANADIUM (U	G/L)		-		DET'N LIMIT =	0.05	GUIDELINE =	N/A	
JAN	BOL			.120	<t< td=""><td>.250</td><td><⊺</td><td></td><td></td><td></td></t<>	.250	<⊺			
FEB	.070	<t< td=""><td></td><td>.240</td><td><1</td><td>.250</td><td><1</td><td></td><td></td><td></td></t<>		.240	<1	.250	<1			
MAR	.070	<t< td=""><td></td><td>.100</td><td><T</td><td>.060</td><td><t< td=""><td></td><td></td><td></td></t<></td></t<>		.100	< T	.060	<t< td=""><td></td><td></td><td></td></t<>			
APR	.060	<t< td=""><td></td><td>.080</td><td><1</td><td>.090</td><td><t< td=""><td></td><td></td><td></td></t<></td></t<>		.080	<1	.090	<t< td=""><td></td><td></td><td></td></t<>			
MAY	.080	<t< td=""><td></td><td>.110</td><td></td><td>.120</td><td></td><td></td><td></td><td></td></t<>		.110		.120				
JUN	BDL			-060		.060				
JUL	.060	<t< td=""><td></td><td>.060</td><td></td><td>.080</td><td></td><td></td><td></td><td></td></t<>		.060		.080				
AUG	BDL			.060		BDL				
SEP	.070	<t< td=""><td></td><td>BDL</td><td></td><td>BDL</td><td></td><td></td><td></td><td></td></t<>		BDL		BDL				
OCT	BDL			BDL		BDL				
NOV	BDL			BDL		BDL				
DEC	BDL			BOL		.080	<1			
ZINC (UG/L)					DET'N LIMIT =	0.20	GUIDELINE =	5000	(A3)
JAN	.990	<t< td=""><td></td><td>16.000</td><td></td><td>11.000</td><td></td><td></td><td></td><td></td></t<>		16.000		11.000				
FEB	1.200	<t< td=""><td></td><td>21.000</td><td></td><td>8.500</td><td></td><td></td><td></td><td></td></t<>		21.000		8.500				
MAR	1.300	<t< td=""><td></td><td>18.000</td><td></td><td>6.900</td><td></td><td></td><td></td><td></td></t<>		18.000		6.900				
APR	.700	<t< td=""><td></td><td>9.000</td><td></td><td>8.100</td><td></td><td></td><td></td><td></td></t<>		9.000		8.100				
MAY	1.500	<t< td=""><td></td><td>9.800</td><td></td><td>23.000</td><td></td><td></td><td></td><td></td></t<>		9.800		23.000				
JUN	.910	<t< td=""><td></td><td>8.100</td><td></td><td>7.900</td><td></td><td></td><td></td><td></td></t<>		8.100		7.900				
JUL	1.100	<t -<="" td=""><td>36</td><td>19.000</td><td></td><td>8.300</td><td></td><td></td><td></td><td></td></t>	36	19.000		8.300				
AUG	1.200	<t< td=""><td></td><td>48.000</td><td></td><td>11.000</td><td></td><td></td><td></td><td></td></t<>		48.000		11.000				
SEP	1.000	<1		12.000		11.000				
OCT	1.000	<t< td=""><td></td><td>9.100</td><td>\$ =</td><td>7.900</td><td></td><td></td><td></td><td></td></t<>		9.100	\$ =	7.900				
NOV	1.600	<t< td=""><td></td><td>17.000</td><td></td><td>11.000</td><td></td><td></td><td></td><td></td></t<>		17.000		11.000				
DEC	1.700	<t< td=""><td></td><td>13.000</td><td></td><td>9.500</td><td></td><td></td><td></td><td></td></t<>		13.000		9.500				

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

				STANDING	FR	EE FLOW	×	
	7	PHENOLIC	S					
PHENOLICS	(UG/L)			DET'N LIMIT	= .200	GUIDELINE = 2	(A4)
JAN	BD	L	15	_		e.		
FEB	BD			3 2				
MAR		O <t< td=""><td></td><td>\$ \$</td><td></td><td>•</td><td></td><td></td></t<>		\$ \$		•		
APR	BD			¥				
MAY	BD	L		× R		10#5		
JUN	BD	L						
JUL	BD	L		н •				
AUG	BD	L		A .		(·		
SEP	BD	L				•		
OCT	BD	L				•		
NOV	.60	0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
DEC	.80	0 <t< td=""><td></td><td>6)</td><td></td><td>•</td><td></td><td></td></t<>		6)		•		

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

BENZENE (L		STANDING	FREE FLOW	_
	VOLATILES		DET'N LIMIT = 0.05	GUIDELINE = 5 (A1)
	,d/ L		DET - N EIHIT - 0.03	GOIDELINE - 3 (AI)
JAN	BDL	•	BOL	
FEB	BDL		BDL	
MAR	.050 <t< td=""><td></td><td>.100 <t< td=""><td></td></t<></td></t<>		.100 <t< td=""><td></td></t<>	
APR	BOL		BDL	
MAY	BOL		BOL	
JUN	.100 <t< td=""><td></td><td>BDL</td><td></td></t<>		BDL	
JUL	BDL	· ·	BOL	
AUG	BDL		BDL	
SEP	BDL	24 2	BDL	
OCT	BDL	¥	BDL	
NOV	BOL		BDL	
DEC	BDL		BOL	
THYLBENZE	NE (UG/L)		DET'N LIMIT = 0.05	GUIDELINE = 2.4 (A3)
JAN	BDL	O No.	BOL	
FEB	BOL	A ST	BOL	
MAR	.150 <t< td=""><td>19 (6)</td><td>.200 <t< td=""><td></td></t<></td></t<>	19 (6)	.200 <t< td=""><td></td></t<>	
APR	BDL		BDL	
MAY	BOL	(O)	.100 <₹	E 77
JUN	BDL	•	.050 <t< td=""><td></td></t<>	
JUL	BDL	•	.050 <t< td=""><td></td></t<>	
AUG	BOL		.050 <t< td=""><td></td></t<>	
SEP	BOL		.050 <t< td=""><td></td></t<>	
OCT	BOL	(♥)	.100 <7	
NOV	BOL	H.	BOL	
DEC	.050 <t< td=""><td>•</td><td>.700</td><td></td></t<>	•	.700	
I-XYLENE (UG/L)		DET'N LIMIT = 0.10	GUIDELINE = 300 (A3*)
JAN	BOL	•	BDL	
FEB	BOL	•	BDL	
MAR	BDL	(●)	BDL	
APR	BDL	** ·	BDL	
MAY	BDL	18 (B)	BDL	
JUN	BDL		BDL	
JUL	BDL		BDL	
AUG	BDL		BDL	20
SEP	BDL	· 8	BDL	
OCT	BDL	3.0	BDL	
NOV	BDL	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	BDL	
DEC	BDL		2.300	
-XYLENE (UG/L)		DET'N LIMIT = 0.05	GUIDELINE = 300 (A3*)
	BDL		BDL	
JAN		₩ 00	BDL	
FEB	BDL	9429	BDL	
FEB Mar	BDL			
FEB MAR APR	BDL BDL	•	BDL	
FEB MAR APR MAY	BDL BDL BDL	3 2 3 2 3 1 ×	BDL	
FEB MAR APR MAY JUN	BDL BDL BDL BDL	• ×	BOL BOL	
FEB MAR APR MAY JUN JUL	BDL BDL BDL	• • •	BOL BOL BOL	
FEB MAR APR MAY JUN JUL AUG	BDL BDL BDL BDL	•	BOL BOL BOL	
FEB MAR APR MAY JUN JUL AUG	BDL BDL BDL BDL BDL		BDL BDL BDL	
FEB MAR APR MAY JUN JUL AUG SEP	BDL BDL BDL BDL BDL BDL BDL		BDL BDL BDL BDL	
FEB MAR APR MAY JUN JUL AUG	BDL BDL BDL BDL BDL BDL		BDL BDL BDL	

RAW WELL

DISTRIBUTION SYSTEM

RAW 1

				STANDING	FREE	FLOW			
STYRENE	(UG/L)			DET'N LIMIT =	0.05		GUIDELINE = 100	(D1)
JAN	9	BOL		•	BOL				
FEB		100	<t< td=""><td>180</td><td>.150</td><td><t< td=""><td></td><td></td><td></td></t<></td></t<>	180	.150	<t< td=""><td></td><td></td><td></td></t<>			
MAR		200	<ĭ		.400				
APR		BDL			BDL				
MAY	ĺ	BOL		53A1	.200				
JUN	1	BOL		•0	.150				
JUL		BOL		•	.100				
AUG		BOL			.100				
SEP		050	<t< td=""><td>AT MEY</td><td>.150</td><td></td><td></td><td></td><td></td></t<>	AT MEY	.150				
OCT		BDL			.100				
NOV		100	<t< td=""><td>5 #1 5</td><td>.050</td><td></td><td></td><td></td><td></td></t<>	5 #1 5	.050				
DEC		100		•	BDL	18.0			
METHYLEN	NE CHLORI	DE (UG/L)		DET'N LIMIT =	0.50		GUIDELINE = 50	(A1)
JAN	sec 1	BDL	2		BDL			te	
FEB	1	BOL			BDL				
MAR	,	BDL		*	BDL				
APR	i	BDL		E A.	BDL				
MAY		BDL		2 2	BDL				
JUN		BDL			BDL				
JUL		BDL		<u>.</u> 11 20 21	BDL				
AUG		BDL			BDL				
SEP		BOL			BDL				
OCT		BDL			BOL				
NOV		BDL		e es	BDL				
DEC		BDL		•	6.000			a , &	
CHLOROFO	ORM (UG/L	• • • •)		DET'N LIMIT =	0.10		GUIDELINE = 350 (A1+)
JAN		BDL			4.600	0.10		GOIDEEINE - 350 (
FEB		BDL			4.300				
MAR		BDL		C- ■ 7	1.500				
APR		BDL		1. ·	2.900				
MAY		BOL			1.500				
JUN		BDL			.200				
JUL				100		246 74			
		3DL		9. (3.900				
AUG		3DL		· ·	3.200				
SEP		BDL			5.900				
OCT		BDL		0 .6 0	2.100				
NOV	, 6	BDL		*	2.100 3.900		50. 588	*	
NOV DEC		BDL BDL	(UG/L)		2.100 3.900 2.400	0.02	35 188 11	GUIDELINE = 200 (D13
NOV DEC 111, TRI	CHLOROETH	BDL BDL HANE	(UG/L)	:	2.100 3.900 2.400 DET'N LIMIT =		57 508 53	GUIDELINE = 200 (I	D1)
NOV DEC 111, TRI	CHLOROETH E	BOL BOL HANE	(UG/L)	:	2.100 3.900 2.400 DET'N LIMIT =	<t< td=""><td>57 1888 131 271</td><td>GUIDELINE = 200 (I</td><td>D1)</td></t<>	57 1888 131 271	GUIDELINE = 200 (I	D1)
NOV DEC 111, TRI JAN FEB	CHLOROETH E E	SDL SDL SDL SDL SDL	(UG/L)	:	2.100 3.900 2.400 DET'N LIMIT = .120 BDL	<t< td=""><td>50 500 50 50 50</td><td>GUIDELINE = 200 (I</td><td>D1)</td></t<>	50 500 50 50 50	GUIDELINE = 200 (I	D1)
NOV DEC 1111, TRI JAN FEB MAR	CHLOROETH E E E	BOL BOL BOL BOL BOL	(UG/L)	:	2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL	<t< td=""><td>9 98 13</td><td>GUIDELINE = 200 (I</td><td>D1)</td></t<>	9 98 13	GUIDELINE = 200 (I	D1)
NOV DEC 111, TRI JAN FEB MAR APR	CHLOROETH E E E	BOL BOL BOL BOL BOL BOL	(UG/L)		2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL BDL	<t< td=""><td>92 888 53 55 55 55</td><td>GUIDELINE = 200 (I</td><td>D1)</td></t<>	92 888 53 55 55 55	GUIDELINE = 200 (I	D1)
NOV DEC 1111, TRI JAN FEB MAR APR MAY	CHLOROETH E E E E E	BOL BOL BOL BOL BOL BOL BOL	(UG/L)		2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL BDL BDL BDL	<া	92 388 33 35 35 35 35 35 35 35 35 35 35 35 35	GUIDELINE = 200 (I	D1)
NOV DEC 111, TRI JAN FEB MAR APR	CHLOROETH E E E E E	BOL BOL BOL BOL BOL BOL	(UG/L)		2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL BDL	<া	22 1988 19 70 19	GUIDELINE = 200 (I	D1)
NOV DEC 1111, TRI JAN FEB MAR APR MAY	CHLOROETH E E E E E E	BOL BOL BOL BOL BOL BOL BOL	(UG/L)		2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL BDL BDL BDL .080	<া	27 298 22 23 24 24 24 24 24 24 24 24 24 24 24 24 24	GUIDELINE = 200 (I	D1)
NOV DEC 1111, TRI JAN FEB MAR APR MAY JUN JUL	CHLOROETH E E E E E E E	SDL SDL SDL SDL SDL SDL SDL SDL SDL	(UG/L)		2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL BDL BDL BDL BDL BDL BDL	<া	22 1999 1999 1999 1999 1999 1999 1999 1	GUIDELINE = 200 (I	D1)
JAN FEB MAR APR MAY JUN JUL AUG	CHLOROETH E E E E E E	BOL BOL BOL BOL BOL BOL BOL BOL BOL BOL	(UG/L)		2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL	<া	22 339 33	GUIDELINE = 200 (I	D1)
NOV DEC 111, TRI JAN FEB MAR APR MAY JUN JUN JUL AUG SEP	CHLOROETH E E E E E E E E	BOL BOL BOL BOL BOL BOL BOL BOL BOL BOL	(UG/L)		2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL BDL BDL .080 BDL BDL BDL BDL BDL	ব ব	22 338 53 53 54 54	GUIDELINE = 200 (I	D1)
NOV DEC 111, TRI JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	CHLOROETH E E E E E E E E	SDL SDL SDL SDL SDL SDL SDL SDL SDL SDL	(UG/L)		2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL BDL .080 BDL BDL BDL BDL BDL	ব ব	22 238 33 53 51	GUIDELINE = 200 (I	D1)
NOV DEC 111, TRI JAN FEB MAR APR MAY JUN JUL AUG SEP	CHLOROETH E E E E E E E E E E E	BOL BOL BOL BOL BOL BOL BOL BOL BOL BOL	(UG/L)		2.100 3.900 2.400 DET'N LIMIT = .120 BDL BDL BDL BDL .080 BDL BDL BDL BDL BDL	ব ব	27 1488 57 15 10 10 10 10	GUIDELINE = 200 (I	D1)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM TIFFIN WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 1

SITE 1

			STANDING	FREE FLOW	2000
TRICHLOROETI	HYLENE (UG/L)		DET'N LIMIT = 0.10	GUIDELINE = 50 (A1)
JAN	BDL		-	BDL	
FEB	BDL		-	1.200	
MAR	BDL		E	BDL	
APR	BDL		W.	BDL	
MAY	BDL		18 T	.600 <t< td=""><td></td></t<>	
JUN	BDL		11 in 1874	BOL	
JUL	BDL		# /	BDL	
AUG	BOL			BDL	
SEP	BDL			1.700	
OCT	BDL		* *	BDL	
NOV	BDL		•	BDL	
DEC	BDL		*	BDL	
				DUL.	
ICHLOROBROM	MOMETHANE (UG/	L)		DET'N LIMIT = 0.05	GUIDELINE = 350 (A1+)
JAN	BDL		*	.450 <t< td=""><td></td></t<>	
FEB	BDL			.500 <t< td=""><td></td></t<>	
MAR	BDL		•	.150 <t< td=""><td></td></t<>	
APR	BDL		52 S	.250 <t< td=""><td></td></t<>	
MAY	BDL			.150 <t< td=""><td></td></t<>	
JUN	BDL			BDL	
JUL	BDL			.450 <t< td=""><td></td></t<>	
AUG	BDL			.350 <t< td=""><td></td></t<>	
SEP	BDL		₩	.650	
OCT	BDL			.350 <t< td=""><td></td></t<>	
	BDL BDL		- * . *		
OCT NOV DEC	BDL BDL			.350 <t .400 <t .400 <t< th=""><th>0110F1 THE - 750 (A11)</th></t<></t </t 	0110F1 THE - 750 (A11)
OCT NOV DEC CHLOROD I BROM	BDL BDL IOMETHANE (UG/			.350 <t .400 <t .400 <t DET'N LIMIT = 0.10</t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC 	BDL BDL IOMETHANE (UG/ BDL	 L)		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10</t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC HLORODIBROM JAN FEB	BDL BDL IOMETHANE (UG/ BDL BDL	L)		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t< td=""><td>GUIDELINE = 350 (A1+)</td></t<></t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC 	BDL BDL IOMETHANE (UG/ BDL BDL BDL BDL	L)		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC 	BDL BDL IOMETHANE (UG/ BDL BDL BDL BDL	L ,)		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC 	BDL BDL IOMETHANE (UG/ BDL BDL BDL BDL BDL BDL	L ,)		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC 	BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL	, , , , , , , , , , , , , , , , , , ,		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC 	BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL	L . S		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BOL BOL BDL BDL BDL BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG	BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL	L , Y		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC THLOROD I BROM JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL	L X		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC THLOROD I BROM FEB MAR APR MAY JUN JUL AUG SEP OCT	BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL	L)		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC CHLOROD I BROM JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL	L S		.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC CHLOROD I BROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL			.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	GUIDELINE = 350 (A1+)
OCT NOV DEC CHLOROD I BROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL			.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	
OCT NOV DEC CHLORODIBROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL	BDL			.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	
OCT NOV DEC CHLORODIBROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB	BDL			.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	
OCT NOV DEC CHLORODIBROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR	BDL			.350 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	
OCT NOV DEC CHLOROD I BROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR	BDL			.350 <t .400 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t </t 	
OCT NOV DEC CHLORODIBROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR MAY APR MAY	BDL			.350 <t .400 <t .400 <t .400 <t DET'N LIMIT = 0.10 BDL .100 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t </t 	
OCT NOV DEC CHLOROD I BROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL	BDL			.350 <t .100="" .400="" <t="" bdl="" bdl<="" det'n="" limit="0.10" td=""><td></td></t>	
OCT NOV DEC CHLORODIBROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR APR MAY JUN JUL JUN JUL JUN JUL JUN JUL JUN JUL JUN JUN JUL JUN JUN JUN JUL	BDL			.350 <t .100="" .400="" <t="" bdl="" bdl<="" det'n="" limit="0.10" td=""><td></td></t>	
OCT NOV DEC CHLORODIBROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG JUN JUL AUG	BDL			.350 <t .100="" .400="" <t="" bdl="" bdl<="" det'n="" limit="0.10" td=""><td></td></t>	
OCT NOV DEC CHLORODIBROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP OTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL			.350 <t .100="" .400="" <t="" bdl="" bdl<="" det'n="" limit="0.10" td=""><td></td></t>	
OCT NOV DEC CHLORODIBROM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	BDL			.350 <t .100="" .400="" <t="" bdl="" bdl<="" det'n="" limit="0.10" td=""><td></td></t>	
OCT NOV DEC CHLOROD I BROM FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC COTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC COTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL			.350 <t .100="" .400="" <t="" bdl="" bdl<="" det'n="" limit="0.10" td=""><td></td></t>	

TRACE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

RAW 2

		STANDING	FREE FLOW	
ECAL COLLEGEN	BACTERIOLOG	ICAL	DET'N LIMIT = 0	GUIDELINE = 0 (A1)
ECAL COLIFORM	HF (CI/100HL)		DEI W CINII - O	GOIDELINE - O (AI)
JAN	0	•	₩.	
FEB	BDL	·	•	
MAR	<u>o</u>	5.00	•	
APR	0	:•)	•	
MAY	. 0	9	•	
JUN	0			
JUL	0	•		
AUG	0	•		
SEP	0			
OCT	0	Ø .	<u>.</u>	
NOV DEC	0	:€0 •		
	CNT MF (COUNT/MI)	DET'N LIMIT = 0	GUIDELINE = 500/ML (A3)
	O. 1. (O.O. 1.7)	₹ 		
JAN	•		4 <=>	
FEB	(:●):	9•3	10	
MAR	1.00	1.00	1 <=>	
APR	100		0 <=>	
MAY	(*	**	0 <=>	
JUN	(***)	· •	25	
JUL		7 6 1 1257	0 <=>	
AUG	(*)	•	10	
SEP			8 <=>	
OCT			16	
NOV	(●)		6 <=>	
DEC			0 <=>	
OTAL COLIFORM	MF (CT/100ML)		DET'N LIMIT = 0	GUIDELINE = 5/100ML(A1)
JAN	BDL	•	14	
FEB	BDL			
MAR	BDL	100	9.€	
APR	BDL	≫ €	= 1●	
MAY	BDL	2000	•	製
JUN	0	x ₩)2.	(r. ■ · · · · · · · · · · · · · · · · · ·	
JUL	0			
AUG	0	(ii)	∑	
SEP	0	*		
OCT	0			
NOV	0	(*)	9.	
DEC	0			
COLIFORM BCK	GRD MF (CT/100ML	.)	DET'N LIMIT = 0	GUIDELINE = N/A
JAN	BDL	.		
FEB	BDL			
MAR	BDL		9.■8	
APR	BDL	₩ 8	(• (⁽⁾)	
MAY	BDL		8.€	
JUN	0	2 2 27	= n (sec 1)	
JUL	0	*	(a	
ALIC	0		•	
AUG	0	.m.r. ■ ½	7.00	
AUG Sep			-175	
SEP	Ō	1 € 1	3.0	
SEP OCT NOV	0 0	●))	3.00 7.60	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

RAW 2

CHEMISTRY (FLD) FLD CHLORINE (COMB) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN000 .000 FEB000 .000 APR300 JUN100 .100 JUL100 .100 SEP100 .100 DEC100 .100 FED CHLORINE FREE (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .200 FFLD CHLORINE FREE (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .200 APR000 .000 JUN000 .000 JUN000 .000 AUG000 .000 AUG000 .000 PLD CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .000 .000 AUG000 .000 PLD CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .000 .000 AUG000 .000 AUG000 .000 AUG000 .000 PLD CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .100 SEP000 .000 JUN000 .000 JUN100 .100 FED CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .100 JUN100 .100 JUN100 .100 AUG000 .300 APR200 .300 JUN100 .100 JUN100 .100 JUN100 .100 AUG000 .300 SEP100 .300 SEP100 .200 OCT000 .300 SEP100 .200 OCT000 .100 DET'N LIMIT = 0 GUIDELINE = JAN100 .100 AUG100 .300 APR200 .300 APR200 .300 OCT000 .300 OCT000 .100 DET'N LIMIT = 0 GUIDELINE = JAN100 .100 AUG100 .300 APR200 APR200 .300 APR200 .3	N/A
JAN	N/A
FEB000 .000 MAR300 APR200 .300 JUN100 .100 JUL100 .100 SEP100 .200 OCT000 .100 DEC100 .100 DEC100 .100 FLD CHLORINE FREE (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .200 APR000 .000 JUN000 .000 JUN000 .000 JUN000 .000 FLD CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .200 APR000 .000 JUN000 .000 FLD CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .200 APR000 .000 JUN000 .000 AUG000 .000 FLD CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .100 SEP000 .000 FLD CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .100 AUG300 APR200 .300 JUN100 .100 JUL100 .100 JUL100 .100 SEP100 .300	
MAR	
APR	
JUN	
JUN	
JUL	
AUG	
SEP	
OCT	
NOV .200 .100 .100 DEC100 .100 FLD CHLORINE FREE (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .100 FEB100 .200 APR000 .000 JUN000 .000 JUL000 .000 AUG000 .000 SEP000 .000 NOV .300 .000 FLD CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN100 .100 FEB100 .200 MAR300 APR200 .300 JUN100 .100 JUN100 .100 JUN100 .300 APR200 .300 JUN100 .100 JUL100 .100 AUG100 .300 SEP100 .300 SEP100 .200 OCT000 .300 SEP100 .200 OCT000 .100	
DEC .100 .	
JAN	
JAN	N/A
FEB . 100 . 200 APR	N/A
FEB . 100 . 200 APR	
APR	
JUN	
JUL	
AUG	
SEP .000 .000 OCT .000 .000 NOV .300 .000 FLD CHLORINE (TOTAL) (MG/L) DET'N LIMIT = 0 GUIDELINE = JAN . 100 FEB . 100 MAR . 300 APR . 200 JUN . 100 JUL . 100 JUL . 100 AUG . 100 SEP . 100 OCT . 000	
OCT	
NOV .300 .000 .	
JAN100 .100 FEB100 .200 MAR300 APR200 .300 JUN100 .100 JUL100 .100 AUG100 .300 SEP100 .200 OCT000 .100	
FEB100 .200 MAR300 APR200 .300 JUN100 .100 JUL100 .100 AUG100 .300 SEP100 .200 OCT000 .100	N/A
FEB100 .200 MAR300 APR200 .300 JUN100 .100 JUL100 .100 AUG100 .300 SEP100 .200 OCT000 .100	
MAR	
APR . 200 .300 JUN . 100 .100 JUL . 100 .100 AUG . 100 .300 SEP . 100 .200 OCT . 000 .100	
JUN100 .100 JUL100 .100 AUG100 .300 SEP100 .200 OCT000 .100	
JUL . 100 .100 AUG . 100 .300 SEP . 100 .200 OCT . 000 .100	
AUG100 .300 SEP100 .200 OCT000 .100	
SEP100 .200 OCT000 .100	
OCT000 .100	
NOV .050 .100 .100	
DEC100 .100	
FLD PH (DMNSLESS) DET'N LIMIT = N/A GUIDELINE = 6	.5-8.5(A4)
JAN 7.600 7.600 7.600	
FEB 7.500 7.600 7.600	
MAR 7.500 7.500 7.500	
APR 7.500 7.500 7.500	
MAY 7.500 7.500 7.500	
JUN 7.500 7.400 7.400	ж з
JUL 7.600 7.600 7.600	
AUG 7.500 7.500 7.500	
SEP 7.500 7.500 7.500	
OCT 7.500 7.500 7.500	
NOV 7.300 7.800 7.800	
DEC 7.500 7.500 7.500	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

	RAW 2	SITE 1		
		STANDING	FREE FLOW	
LD TEMPER	ATURE (DEG.C	>	DET'N LIMIT = N/A	GUIDELINE = 15 (A3)
JAN	8.000	9.000	8.000	
FEB	8.000	9.800	10.000	
MAR	7.800	10.000	4.000	
APR	9.000	4.300	4.000	
MAY	8.600	9.500	9.500	10
JUN	8.900	17.000	13.000	
JUL	8.800	16.000	14.000	
AUG	8.500	16.500	12.000	
SEP	8.000	15.500	11.000	
OCT	8.500	14.000	11.700	8
NOV	7.500	9.000	7.000	
DEC	7.500	10 (10 to 10	7.000	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

RAW 2

1, 1		STANDING	FREE FLOW	
		EMISTRY (LAB)		
ALKALINITY	(MG/L)	DET'N LIMIT = 0.2	GUIDELINE = 30-500 (A3)
JAN	211.900	213.700	215.700	
FEB	204.100	212.100	212.100	
MAR	209.500	210.300	209.000	
APR	203.400	212.300	209.800	
MAY	206.500	209.200	209.500	
JUN	209.000	207.400	209.200	
JUL	207.700	209.500	210.000	
AUG	208.900	209.800	209.900	
SEP	205.600	205.500	205.800	
OCT	202.700	204.900	203.700	
NOV	215.200	206.200	202.400	
DEC	210.400	210.800	210.600	
CALCIUM (M	G/L)		DET'N LIMIT = 0.2	GUIDELINE = 100 (F2)
JAN	88.900	90.400	81.800	
FEB	80.100	81.200	82.300	
MAR	84.800	89.800	87.800	
APR	79.800	86.200	84.400	
MAY	80.100	81.800	81.800	
JUN	81.400	85.000	85.000	
JUL	80.000	82.200	79.600	
AUG	83.800	88.000	85.500	
SEP	83.300	85.700	85.500	
OCT	80.300	84.200	83.000	
NOV	86.200	88.400	86.200	
DEC	85.500	90.000	88.500	
CHLORIDE (MG/L)		DET'N LIMIT = 0.2	GUIDELINE = 250 (A3)
JAN	115.000	95.700	50.100	
FEB	92.400	97.200	94.700	
MAR	97.100	98.500	99.000	
APR	97.500	97.100	97.500	
MAY	90.000	92.300	92.400	
JUN	87.300	87.300	87.600	
JUL	83.700	84.000	84.500	
AUG	86.900	89.500	86.200	
SEP	79.100	80.500	80.200	
OCT	83.100	85.100	84.500	ă
NOV	81.500	85.800	83.900	
DEC	87.200	93.200	91.500	
COLOUR (HZ	υ)		DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN	2.000		3.000	
FEB	1.500		.500 <t< td=""><td></td></t<>	
		1.500 <t< td=""><td>1.000 <t< td=""><td></td></t<></td></t<>	1.000 <t< td=""><td></td></t<>	
MAR	3.500		.500 <t< td=""><td></td></t<>	
APR	1.000			
APR MAY	1.000	<t 1.000="" <t<="" td=""><td>1.500 <t< td=""><td></td></t<></td></t>	1.500 <t< td=""><td></td></t<>	
APR MAY JUN	1.000 2.000 3.500	<t 1.000="" <t<br="">1.500 <t< td=""><td>1.500 <t 1.500 <t< td=""><td></td></t<></t </td></t<></t>	1.500 <t 1.500 <t< td=""><td></td></t<></t 	
APR MAY JUN JUL	1.000 2.000 3.500 2.000	<t 1.000="" 1.500="" <t="" <t<="" td=""><td>1.500 <t 1.500 <t 1.000 <t< td=""><td></td></t<></t </t </td></t>	1.500 <t 1.500 <t 1.000 <t< td=""><td></td></t<></t </t 	
APR MAY JUN JUL AUG	1.000 2.000 3.500 2.000 1.500	<t 1.000="" 1.500="" 500="" <t="" <t<="" td=""><td>1.500 <t 1.500 <t 1.000 <t .500 <t< td=""><td></td></t<></t </t </t </td></t>	1.500 <t 1.500 <t 1.000 <t .500 <t< td=""><td></td></t<></t </t </t 	
APR MAY JUN JUL AUG SEP	1.000 2.000 3.500 2.000 1.500 2.000	<t 1.000="" 1.500="" 5.00="" <t="" <t<="" td=""><td>1.500 <t 1.500 <t 1.000 <t .500 <t 1.500 <t< td=""><td></td></t<></t </t </t </t </td></t>	1.500 <t 1.500 <t 1.000 <t .500 <t 1.500 <t< td=""><td></td></t<></t </t </t </t 	
APR MAY JUN JUL AUG SEP OCT	1.000 2.000 3.500 2.000 1.500 2.000 2.500	<t 1.000="" 1.500="" 500="" <t="" <t<="" td=""><td>1.500 <t 1.500 <t 1.000 <t .500 <t 1.500 <t 2.000 <t< td=""><td></td></t<></t </t </t </t </t </td></t>	1.500 <t 1.500 <t 1.000 <t .500 <t 1.500 <t 2.000 <t< td=""><td></td></t<></t </t </t </t </t 	
APR MAY JUN JUL AUG SEP	1.000 2.000 3.500 2.000 1.500 2.000	<t .500="" 1.000="" 1.500="" <t="" <t<="" td=""><td>1.500 <t 1.500 <t 1.000 <t .500 <t 1.500 <t< td=""><td></td></t<></t </t </t </t </td></t>	1.500 <t 1.500 <t 1.000 <t .500 <t 1.500 <t< td=""><td></td></t<></t </t </t </t 	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

RAW 2

		STANDING	FREE FLOW	
CONDUCTIVIT	Y (UMHO/CM)	DET'N LIMIT = 1.	GUIDELINE = 400 (F2)
JAN	806	745	604	
FEB	709	730	726	
MAR	734	740	737	
APR	739	748	732	
MAY	708	723	723	
JUN	709	705	711	
JUL	687	690	694	
	685	707	699	
AUG				
SEP	669	672	661	
OCT	681	697	696	
NOV	713	686	700	
DEC	703	721	721	
ISS ORG CA	RBON (MG/L	•	DET'N LIMIT = .100	GUIDELINE = 5.0 (A3)
JAN	.600	.600	1.000	
FEB	.600	.600	.600	
MAR	1.000	.800	.500	
APR	.700	.700	.700	
MAY	.700	.600	.600	
JUN	.600	.700	.700	
JUL	.600	.600	.700	
AUG	.600	.800	.600	
SEP	.500	.700	.600	
OCT	.600	.700	.600	
NOV	.600	.800	.600	
DEC	.500	.600	.500	
LUORIDE (M JAN		.060	DET'N LIMIT = 0.01 .060	GUIDELINE = 2.4 (A1)
		.000		
	.060	040		
FEB	.080	.060	.080	
FEB MAR	.080 .040 <t< td=""><td>.040 <t< td=""><td>.080 .040 <t< td=""><td></td></t<></td></t<></td></t<>	.040 <t< td=""><td>.080 .040 <t< td=""><td></td></t<></td></t<>	.080 .040 <t< td=""><td></td></t<>	
FEB MAR APR	.080 .040 <7 .060	.040 <t .060</t 	.080 .040 <t .060</t 	
FEB MAR APR MAY	.080 .040 <7 .060 .060	.040 <t .060 .060</t 	.080 .040 <t .060 .060</t 	
FEB MAR APR	.080 .040 <7 .060	.040 <t .060</t 	.080 .040 <t .060</t 	
FEB MAR APR MAY	.080 .040 <t .060 .060 .060 .080</t 	.040 <t .060 .060</t 	.080 .040 <t .060 .060</t 	
FEB MAR APR MAY JUN	.080 .040 <t .060 .060</t 	.040 <t .060 .060 .060</t 	.080 .040 <t .060 .060 .060</t 	
FEB MAR APR MAY JUN JUL	.080 .040 <t .060 .060 .060 .080</t 	.040 <t .060 .060 .060 .060</t 	.080 .040 <t .060 .060 .060</t 	
FEB MAR APR MAY JUN JUL AUG SEP	.080 .040 <t .060 .060 .060 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t< td=""><td>.080 .040 <t .060 .060 .060 .060 .080</t </td><td></td></t<></t 	.080 .040 <t .060 .060 .060 .060 .080</t 	
FEB MAR APR MAY JUN JUL AUG SEP OCT	.080 .040 <t .060 .060 .060 .080 .080 .060</t 	.040 <t .060 .060 .060 .060 .080 .040 <t< td=""><td>.080 .040 <t .060 .060 .060 .060 .080 .060</t </td><td></td></t<></t 	.080 .040 <t .060 .060 .060 .060 .080 .060</t 	
FEB MAR APR MAY JUN JUL AUG SEP	.080 .040 <t .060 .060 .060 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t< td=""><td>.080 .040 <t .060 .060 .060 .060 .080</t </td><td></td></t<></t 	.080 .040 <t .060 .060 .060 .060 .080</t 	
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.080 .040 <t .060 .060 .060 .080 .080 .060 .060 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.080 .040 <t .060 .060 .060 .080 .080 .060 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ARDNESS (M	.080 .040 <t .060 .060 .060 .080 .080 .060 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060 .060</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ARDNESS (M	.080 .040 <t .060 .060 .060 .080 .080 .060 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060 .060</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .060</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.080 .040 <t .060 .060 .060 .080 .080 .060 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060 .060 .080</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.080 .040 <t .060 .060 .060 .080 .080 .060 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060 .060 .080</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.080 .040 <t .060 .060 .080 .080 .060 .080 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060 .060 .080 313.000 290.600 314.000 304.000 285.000</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5 275.000 291.200 307.000 298.000 285.400</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ARDNESS (M JAN FEB MAR APR MAY JUN	.080 .040 <t .060 .060 .080 .080 .080 .080 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060 .060 .080 313.000 299.600 314.000 304.000 285.000 298.000</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5 275.000 291.200 307.000 298.000 285.400 298.000</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ARDNESS (M JAN FEB MAR APR MAY JUN JUL	.080 .040 <t .060 .060 .080 .080 .080 .080 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060 .060 .080 313.000 290.600 314.000 304.000 285.000 298.000</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .060</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ARDNESS (M JAN FEB MAR APR MAY JUN JUL AUG	.080 .040 <t .060 .060 .080 .080 .080 .080 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060 .060 .080 313.000 290.600 314.000 304.000 285.000 298.000 289.000 303.600</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5 275.000 291.200 307.000 298.000 285.400 298.000 283.000 296.700</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.080 .040 <t .060 .060 .060 .080 .080 .080 .080 .080</t 	.040 <t .060 .060 .060 .060 .060 .080 .040 <t .060 .060 .080 .080 .080 .080 .080 .080</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5 275.000 291.200 307.000 298.000 285.400 298.000 283.000 296.700 295.200</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.080 .040 <t .060 .060 .060 .080 .080 .080 .080 .080</t 	.040 <t .060 .060 .060 .060 .080 .040 <t .060 .060 .080 313.000 290.600 314.000 394.000 285.000 298.000 289.000 289.000 299.900</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5 275.000 291.200 307.000 298.000 285.400 298.000 283.000 296.700 295.200 291.300</t 	GUIDELINE = 80-100 (A4)
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.080 .040 <t .060 .060 .060 .080 .080 .080 .080 .080</t 	.040 <t .060 .060 .060 .060 .060 .080 .040 <t .060 .060 .080 .080 .080 .080 .080 .080</t </t 	.080 .040 <t .060 .060 .060 .060 .080 .060 .060 .080 DET'N LIMIT = 0.5 275.000 291.200 307.000 298.000 285.400 298.000 283.000 296.700 295.200</t 	GUIDELINE = 80-100 (A4)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

RAW 2

DISTRIBUTION SYSTEM

		STANDING	FREE FLOW	
IONCAL (DE	INSLESS)		DET'N LIMIT = N/A	GUIDELINE = N/A
JAN	2.852	1.639	.180	
FEB	3.115	4.667	3.695	
MAR	2.057	1.904	.305	N
APR	4.231	2.114	3.691	
MAY	5.118	4.932	5.163	
JUN	1.781	1.625	1.143	
JUL	1.082	. 135	2.363	
AUG	.309	3.600	2.053	
SEP	3.585	4.494	4.556	
OCT	.008	1.718	2.171	
NOV	1.464	4.147	4.350	
DEC	1.678	3.292	1.842	
ANGELIERS	INDEX (DMNSLESS)		DET'N LIMIT = N/A	GUIDELINE = N/A
JAN	1.094	1.138	1.186	
FEB	.977	1.318	1.174	
MAR	1.082	1.178	1.146	
APR	1.022	1.114	1.170	
MAY	.802	.896	.877	
JUN	.884	.930	.933	
JUL	1.105	1.170	1.177	
AUG	.968	1.060	.968	
SEP	.979	1.031	1.091	
OCT	1.036	1.081	1.052	
NOV	1.292	.905	.975	
DEC	1.079	1.131	1.093	
(AGNESIUM	(MG/L)		DET'N LIMIT = 0.10	GUIDELINE = 30 (F2)
			Visit of We	

JAN	22.400	21.200	17.100	
FEB	20.650	21.350	20.850	
MAR	21.400	21.900	21.400	
APR	21.500	21.500	21.200	
MAY	19.900	19.850	19.700	
JUN	20.700	20.800	20.800	
JUL	20.500	20.400	20.500	
AUG	20.000	20.400	20.250	
SEP	19.900	19.700	19.850	
OCT	19.750	19.600	20.450	
NOV	19.900	20.000	20.000	
DEC	20.900	20.950	20.100	
SODIUM	(MG/L)		DET'N LIMIT = 0.2	GUIDELINE = 200 (A4)
JAN	34.800	32.000	20.000	
FEB	29.000	30.800	30.100	
MAR	29.600	30.800	31.000	
APR	29.000	28.800	28.200	
MAY	26.800	27.800	28.000	
JUN	27.800	28.200	28.400	
JUL	27.800	28.400	28.000	
AUG	29.100	31.400	29.700	
SEP	28.100	28.100	28.100	
OCT	27.700	28.900	28.300	
NOV	27.800	28.200	27.800	
DEC	29.100	31.200	30.700	
	FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SOO IUM JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV	FEB 20.650 MAR 21.400 APR 21.500 MAY 19.900 JUN 20.700 JUL 20.500 AUG 20.000 SEP 19.900 OCT 19.750 NOV 19.900 DEC 20.900 SODIUM (MG/L) JAN 34.800 FEB 29.000 MAR 29.600 APR 29.000 MAY 26.800 JUN 27.800 JUN 27.800 AUG 29.100 SEP 28.100 OCT 27.700 NOV 27.800	FEB 20.650 21.350 MAR 21.400 21.900 APR 21.500 21.500 MAY 19.900 19.850 JUN 20.700 20.800 JUL 20.500 20.400 AUG 20.000 20.400 SEP 19.900 19.700 OCT 19.750 19.600 NOV 19.900 20.000 DEC 20.900 20.950 SODIUM (MG/L) JAN 34.800 32.000 FEB 29.000 30.800 MAR 29.600 30.800 APR 29.000 28.800 MAY 26.800 27.800 JUN 27.800 28.200 JUL 27.800 28.200 AUG 29.100 31.400 SEP 28.100 28.900 NOV 27.800 28.900 NOV 27.800 28.900	FEB 20.650 21.350 20.850 MAR 21.400 21.900 21.400 APR 21.500 21.500 21.200 MAY 19.900 19.850 19.700 JUN 20.700 20.800 20.800 JUL 20.500 20.400 20.500 AUG 20.000 20.400 20.250 SEP 19.900 19.700 19.850 OCT 19.750 19.600 20.450 NOV 19.900 20.000 20.000 DEC 20.900 20.950 20.100 SODIUM (MG/L) DET'N LIMIT = 0.2 JAN 34.800 32.000 20.000 FEB 29.000 30.800 30.100 MAR 29.600 30.800 31.000 APR 29.000 28.800 28.200 MAY 26.800 27.800 28.200 JUN 27.800 28.200 28.400 JUL 27.800 28.400 28.000 AUG 29.100 31.400 29.7700 SEP 28.100 28.100 28.300 NOV 27.800 28.900 28.300

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 2

			STANDING	FREE FLOW	· · · · · · · · · · · · · · · · · · ·
AMMON I UM	TOTAL (MG/L)	a na sa k T . T . T . T . T . T . T . T . T . T	DET'N LIMIT = 0.002	GUIDELINE = 0.05 (F2)
JAN	.070		.070	.032	
FEB	.056		.064	.056	
MAR	.066		.052	.058	
APR	.072		.054	.066	
MAY	.042		.040	.036	
	.050		.046	.038	
JUN				.028	
JUL	.062		.046		
AUG	.056		.056	.040	
SEP	.038		.020	.008 <t< td=""><td></td></t<>	
OCT	.064		.010	BDL	
NOV	-054		.022	.018	
DEC	.066		.020	.002 <t< td=""><td></td></t<>	
NITRITE (MG/L)			DET'N LIMIT = 0.001	GUIDELINE = 1 (A1)
JAN	.002 <	T	.004 <t< td=""><td>.005</td><td></td></t<>	.005	
FEB	- BDL		.003 <t< td=""><td>.003 <t< td=""><td></td></t<></td></t<>	.003 <t< td=""><td></td></t<>	
MAR	.004 <	T	.005	.002 <t< td=""><td></td></t<>	
APR	BDL		.002 <t< td=""><td>.003 <t< td=""><td></td></t<></td></t<>	.003 <t< td=""><td></td></t<>	
MAY	.001 <	Ť	.002 <t< td=""><td>.002 <t< td=""><td></td></t<></td></t<>	.002 <t< td=""><td></td></t<>	
JUN	BDL		.003 <t< td=""><td>.001 <t< td=""><td>8</td></t<></td></t<>	.001 <t< td=""><td>8</td></t<>	8
JUL	.005		.004 <t< td=""><td>.004 <t< td=""><td></td></t<></td></t<>	.004 <t< td=""><td></td></t<>	
AUG	.001 <	т	.003 <t< td=""><td>.002 <t< td=""><td></td></t<></td></t<>	.002 <t< td=""><td></td></t<>	
SEP	.001 <		.005	.004 <t< td=""><td></td></t<>	
OCT	.001 <	ľ	.001 <t< td=""><td>BDL</td><td></td></t<>	BDL	
NOV DEC	BDL BDL		.002 <t .005</t 	.002 <t BDL</t 	
	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			
TOTAL NIT	RATES (MG/L)		DET'N LIMIT = 0.005	GUIDELINE = 10 (/
JAN	BOL		.010 <t< td=""><td>.010 <t< td=""><td></td></t<></td></t<>	.010 <t< td=""><td></td></t<>	
FEB	.005 <	T	.010 <t< td=""><td>.015 <t< td=""><td></td></t<></td></t<>	.015 <t< td=""><td></td></t<>	
MAR	BDL		.010 <t< td=""><td>BOL</td><td></td></t<>	BOL	
APR	BDL		BDL	.005 <t< td=""><td></td></t<>	
MAY	.085		.090	.090	
JUN	BDL		BDL	BDL	
JUL	BDL		BDL	.010 <t< td=""><td></td></t<>	
AUG	BDL		.005 <7	BDL	
SEP	BDL		BDL	BDL	
OCT	BDL		BDL	BDL OOF of	
NOV DEC	BDL BDL		BDL BDL	.005 <t BDL</t 	
	TOT KJELD (M	G/L)		DET'N LIMIT = 0.02	GUIDELINE = N/A
	A TOTAL CONTRACTOR OF THE PARTY		242	Self-Self-Self-Self-Self-Self-Self-Self-	
JAN	.170		.210	.150	
FEB	. 150		.150	.130	
MAR	.170		.140	.160	
APR	. 140		.130	.140	- 8
	.120		.080 <t< td=""><td>.080 <t< td=""><td></td></t<></td></t<>	.080 <t< td=""><td></td></t<>	
MAY			.090 <t< td=""><td>.090 <t< td=""><td></td></t<></td></t<>	.090 <t< td=""><td></td></t<>	
	.110		.090 <t< td=""><td>.080 <t< td=""><td></td></t<></td></t<>	.080 <t< td=""><td></td></t<>	
MAY JUN				.090 <t< td=""><td></td></t<>	
MAY JUN JUL	.110		.130	.090 \1	
MAY JUN JUL AUG	.110 .130	T	.130 .110		
MAY JUN JUL AUG SEP	.110 .130 .070 <	T ^{2,}	.110	.020 <t< td=""><td></td></t<>	
MAY JUN JUL AUG SEP OCT	.110 .130 .070 <	Т	.110 .110	.020 <t .060 <t< td=""><td></td></t<></t 	
MAY JUN JUL AUG SEP	.110 .130 .070 <		.110	.020 <t< td=""><td></td></t<>	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

RAW 2

	~	STANDING	FREE FLOW	
H (DMNSLE	ss)		DET'N LIMIT = N/A	GUIDELINE = 6.5-8.5(A4)
JAN	8.300	8.330	8.410	
FEB	8.240	8.560	8.410	
MAR	8.310	8.380	8.360	
APR	8.290	8.330	8.400	
MAY	8.060	8.140	8.120	
JUN	8.130	8.160	8.160	
JUL	8.360	8.410	8.430	
AUG	8.200	8.270	8.190	
SEP	8.220	8.260	8.320	
OCT	8.300	8.320	8.300	
NOV	8.500	8.120	8.210	
DEC	8.300	8.330	8.300	
OSPHORUS	FIL REACT (MG/	L)	DET'N LIMIT = 0.0005	GUIDELINE = N/A
JAN	001 <t< td=""><td></td><td>±1 (♣)</td><td></td></t<>		±1 (♣)	
FEB	.001 <t< td=""><td></td><td>•</td><td></td></t<>		•	
MAR	.001 <t< td=""><td></td><td>•</td><td></td></t<>		•	
APR	.003		:•:	
MAY	.001 <t< td=""><td></td><td></td><td></td></t<>			
JUN	.001 <t< td=""><td></td><td>-</td><td></td></t<>		-	
JUL	.002		. • ·	
AUG	.002 <t< td=""><td>•</td><td>•</td><td></td></t<>	•	•	
SEP	BDL		, .	
OCT		(•	•	
	.000 <t< td=""><td></td><td>•</td><td></td></t<>		•	
NOV	.001 <t< td=""><td></td><td></td><td></td></t<>			
DEC	.003			
OCCUPANT	TOTAL (MG/L)	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
USPHUKUS		₹``		60.022.112
JAN	.004 <t< td=""><td></td><td></td><td>30.022</td></t<>			30.022
	.004 <t .012</t 			
JAN	.004 <t< td=""><td></td><td></td><td></td></t<>			
JAN FEB	.004 <t .012</t 			
JAN FEB MAR APR	.004 <t .012 .004 <t BDL</t </t 			-
JAN FEB MAR APR MAY	.004 <t .012 .004 <t BDL .004 <t< td=""><td></td><td></td><td></td></t<></t </t 			
JAN FEB MAR APR MAY JUN	.004 <t .012 .004 <t BDL .004 <t BDL</t </t </t 		•	
JAN FEB MAR APR MAY JUN JUL	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t< td=""><td></td><td>•</td><td></td></t<></t </t </t 		•	
JAN FEB MAR APR MAY JUN JUL AUG	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL</t </t </t </t 			
JAN FEB MAR APR MAY JUN JUL AUG SEP	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL BDL</t </t </t </t 	•		
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL BDL .005 <t< td=""><td></td><td></td><td></td></t<></t </t </t </t 			
JAN FEB MAR APR MAY JUN JUL AUG SEP	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL BDL</t </t </t </t 			
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL BDL .005 <t .003 <t< td=""><td></td><td></td><td>GUIDELINE = 500 (A3)</td></t<></t </t </t </t </t 			GUIDELINE = 500 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t< td=""><td></td><td>DET'N LIMIT = .200</td><td></td></t<></t </t </t </t </t </t 		DET'N LIMIT = .200	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (N	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t< td=""><td>26.730</td><td>DET'N LIMIT = .200</td><td></td></t<></t </t </t </t </t </t 	26.730	DET'N LIMIT = .200	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (P	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t< td=""><td>26.730 24.140</td><td>DET'N LIMIT = .200 29.930 23.360</td><td></td></t<></t </t </t </t </t </t 	26.730 24.140	DET'N LIMIT = .200 29.930 23.360	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (F	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t .003 <t< td=""><td>26.730 24.140 24.030</td><td>DET'N LIMIT = .200 29.930 23.360 24.060</td><td></td></t<></t </t </t </t </t </t </t 	26.730 24.140 24.030	DET'N LIMIT = .200 29.930 23.360 24.060	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (F	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t .003 <t .003 <t< td=""><td>26.730 24.140 24.030 23.960</td><td>DET'N LIMIT = .200 29.930 23.360 24.060 24.370</td><td></td></t<></t </t </t </t </t </t </t </t 	26.730 24.140 24.030 23.960	DET'N LIMIT = .200 29.930 23.360 24.060 24.370	
JAN FEB MAR APR JUN JUL AUG SEP OCT NOV DEC LPHATE (N JAN FEB MAR APR MAY	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t< td=""><td>26.730 24.140 24.030 23.960 22.930</td><td>DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080</td><td></td></t<></t </t </t </t </t </t </t </t </t </t 	26.730 24.140 24.030 23.960 22.930	DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (N FEB MAR APR MAY JUN	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t< td=""><td>26.730 24.140 24.030 23.960</td><td>DET'N LIMIT = .200 29.930 23.360 24.060 24.370</td><td></td></t<></t </t </t </t </t </t </t </t </t </t </t 	26.730 24.140 24.030 23.960	DET'N LIMIT = .200 29.930 23.360 24.060 24.370	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (N FEB MAR APR MAY JUN	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t< td=""><td>26.730 24.140 24.030 23.960 22.930 22.090</td><td>DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080 21.960</td><td></td></t<></t </t </t </t </t </t </t </t </t </t </t 	26.730 24.140 24.030 23.960 22.930 22.090	DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080 21.960	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (N FEB MAR APR MAY JUN JUL JUN JUN JUN JUN JUN JUN JUN	.004 <t .012 .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t .003 <t .003 <t .25.960 23.620 24.370 23.930 23.020 22.200 21.790</t </t </t </t </t </t </t </t 	26.730 24.140 24.030 23.960 22.930 22.090 21.680	DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080 21.960 22.010	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (N FEB MAR APR MAY JUN JUL AUG	.004 <t .012 .004 <t BDL .004 <t BDL .005 <t .003 <t .004 <t .004 <t .005 <t< td=""><td>26.730 24.140 24.030 23.960 22.930 22.090 21.680 22.200</td><td>DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080 21.960 22.010 21.850</td><td></td></t<></t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	26.730 24.140 24.030 23.960 22.930 22.090 21.680 22.200	DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080 21.960 22.010 21.850	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (F JAN FEB MAR APR APR JUN JUL AUG SEP	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .004 <t .005 <t .005 <t .007 <t .008 <t .009 /t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	26.730 24.140 24.030 23.960 22.930 22.090 21.680 22.200 20.950	DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080 21.960 22.010 21.850 20.930	
JAN FEB MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (N FEB MAR APR JUN JUL AUG SEP OCT	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .004 <t .005 <t .005 <t .005 <t .007 <t .008 <t .009 /t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	26.730 24.140 24.030 23.960 22.930 22.090 21.680 22.200 20.950 21.900	DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080 21.960 22.010 21.850 20.930 21.600	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC LPHATE (N FEB MAR APR APR MAY JUN JUL AUG SEP	.004 <t .012 .004 <t BDL .004 <t BDL .004 <t BDL .005 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .003 <t .004 <t .005 <t .005 <t .007 <t .008 <t .009 /t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t </t 	26.730 24.140 24.030 23.960 22.930 22.090 21.680 22.200 20.950	DET'N LIMIT = .200 29.930 23.360 24.060 24.370 23.080 21.960 22.010 21.850 20.930	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

	RAW 2	SITE 1		£(
		STANDING	FREE FLOW	· · · · · · · · · · · · · · · · · · ·
TURBIDITY	(FTU)		DET'N LIMIT = 0.05	GUIDELINE = 1 (A1)
JAN	1.110	.840	3.200	
FEB	1.730	1.380	.940	
MAR	1.740	.780	.930	
APR	1.780	.160 <t< td=""><td>.450</td><td></td></t<>	.450	
MAY	1.500	.270	.720	
JUN	1.450	.300	.300	
JUL	1.230	.430	.490	
AUG	.810	.600	.490	
SEP	.750	.760	.300	
ОСТ	.800	.250	.270	
NOV	1.100	.300	.490	
DEC	2.100	1.150	1.040	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

RAW 2

		STANDING	FREE FLOW	
	METALS			
SILVER (JG/L)		DET'N LIMIT = 0.05	GUIDELINE = 50 (A1)
JAN	BDL	BDL	BDL	
FEB	BDL	BDL	BDL	
MAR	BDL	BDL	BDL	
APR	BDL	BDL	BDL	
		1,000		
MAY	BOL	BDL	BDL	
JUN	BDL	BDL	BDL	
JUL	BDL	BDL	BDL	
AUG	BDL	BDL	BDL	
SEP	BDL	BDL	.060 <t< td=""><td></td></t<>	
OCT	BDL	BDL	BDL	
NOV	BDL	BDL	BDL	
DEC	BDL	BDL	BOL	
ALUMINUM	(UG/L)		DET'N LIMIT = 0.10	GUIDELINE = 100 (A4)
JAN	5.100	6.900	7.700	
FEB	8.000	11.000	9.700	
MAR	9.600			
		14.000	11.000	
APR	10.000	12.000	13.000	
MAY	33.000	37.000	37.000	
JUN	4.700	5.400	5.700	
JUL	5.200	6.900	6.900	
AUG	6.300	11.000	11.000	
SEP	6.000	6.900	6.500	
OCT	1.700	3.200	2.200	
NOV	1.400	1.800	2.300	
DEC	1.800	8.600	2.400	
ARSENIC (UG/L)	***************************************	DET'N LIMIT = 0.10	GUIDELINE = 25 (A1)
1811	1 700	4 /00	000 -	
JAN	1.300	1.600	.990 <t< td=""><td></td></t<>	
FEB	1.900	2.300	2.300	
MAR	.380 <t< td=""><td>.190 <t< td=""><td>.340 <t< td=""><td></td></t<></td></t<></td></t<>	.190 <t< td=""><td>.340 <t< td=""><td></td></t<></td></t<>	.340 <t< td=""><td></td></t<>	
APR	.490 <t< td=""><td>.210 <t< td=""><td>.460 <t< td=""><td></td></t<></td></t<></td></t<>	.210 <t< td=""><td>.460 <t< td=""><td></td></t<></td></t<>	.460 <t< td=""><td></td></t<>	
MAY	.190 <t< td=""><td>.310 <t< td=""><td>.190 <t< td=""><td></td></t<></td></t<></td></t<>	.310 <t< td=""><td>.190 <t< td=""><td></td></t<></td></t<>	.190 <t< td=""><td></td></t<>	
JUN	.380 <t< td=""><td>.410 <t< td=""><td>.510 <t< td=""><td></td></t<></td></t<></td></t<>	.410 <t< td=""><td>.510 <t< td=""><td></td></t<></td></t<>	.510 <t< td=""><td></td></t<>	
JUL	.480 <t< td=""><td>.420 <t< td=""><td>.430 <t< td=""><td></td></t<></td></t<></td></t<>	.420 <t< td=""><td>.430 <t< td=""><td></td></t<></td></t<>	.430 <t< td=""><td></td></t<>	
AUG	BDL	.230 <t< td=""><td>BDL</td><td></td></t<>	BDL	
SEP	BDL	BDL	BDL	
OCT	BDL	BOL	BDL	
		BDL	BDL	
			RUI	
NOV DEC	BDL			
DEC	BDL	BDL	BDL	
DEC BARIUM (U	BDL G/L)	BDL	BDL DET'N LIMIT = 0.05	GUIDELINE = 1000 (A2)
DEC BARIUM (U	BDL G/L) 210.000	BDL	BDL	GUIDELINE = 1000 (A2)
DEC BARIUM (U	BDL G/L)	BDL	BDL DET'N LIMIT = 0.05 210.000	GUIDELINE = 1000 (A2)
DEC BARIUM (U JAN FEB	BDL G/L) 210.000 170.000	210.000 170.000	BDL DET'N LIMIT = 0.05 210.000 170.000	GUIDELINE = 1000 (A2)
DEC BARIUM (U JAN FEB MAR	BDL G/L) 210.000 170.000 170.000	210.000 170.000 180.000	BDL DET'N LIMIT = 0.05 210.000 170.000 170.000	GUIDELINE = 1000 (A2)
DEC BARIUM (U JAN FEB MAR APR	BDL G/L) 210.000 170.000 170.000 170.000	210.000 170.000 180.000 180.000	BDL DET'N LIMIT = 0.05 210.000 170.000 170.000 170.000	GUIDELINE = 1000 (A2)
DEC BARIUM (U JAN FEB MAR APR MAY	BDL 210.000 170.000 170.000 170.000 170.000	210.000 170.000 180.000 180.000 170.000	BDL DET'N LIMIT = 0.05 210.000 170.000 170.000 170.000 170.000	GUIDELINE = 1000 (A2)
DEC JAN FEB MAR APR MAY JUN	BDL 210.000 170.000 170.000 170.000 170.000 160.000	210.000 170.000 180.000 180.000 170.000 160.000	BDL DET'N LIMIT = 0.05 210.000 170.000 170.000 170.000 170.000 160.000	GUIDELINE = 1000 (A2)
DEC JAN FEB MAR APR MAY JUN JUL	BDL 210.000 170.000 170.000 170.000 170.000 160.000 180.000	210.000 170.000 180.000 180.000 170.000 160.000 180.000	BDL DET'N LIMIT = 0.05 210.000 170.000 170.000 170.000 170.000 160.000 170.000	GUIDELINE = 1000 (A2)
DEC JAN FEB MAR APR MAY JUN JUL AUG	BDL 210.000 170.000 170.000 170.000 170.000 160.000 180.000 170.000	210.000 170.000 180.000 180.000 170.000 160.000 180.000 180.000	BDL DET'N LIMIT = 0.05 210.000 170.000 170.000 170.000 170.000 170.000 160.000 170.000 180.000	GUIDELINE = 1000 (A2)
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL 210.000 170.000 170.000 170.000 170.000 160.000 180.000 170.000 170.000	210.000 170.000 180.000 180.000 170.000 160.000 180.000 180.000 170.000	BDL DET'N LIMIT = 0.05 210.000 170.000 170.000 170.000 170.000 160.000 170.000 180.000 170.000	GUIDELINE = 1000 (A2)
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	BDL 210.000 170.000 170.000 170.000 170.000 160.000 170.000 170.000 170.000 160.000	210.000 170.000 180.000 180.000 170.000 160.000 180.000 180.000 170.000	BDL 210.000 170.000 170.000 170.000 170.000 170.000 160.000 170.000 180.000 170.000 160.000 170.000	GUIDELINE = 1000 (A2)
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL 210.000 170.000 170.000 170.000 170.000 160.000 170.000 170.000 170.000 160.000 150.000	210.000 170.000 180.000 180.000 170.000 160.000 180.000 180.000 170.000 170.000	BDL DET'N LIMIT = 0.05 210.000 170.000 170.000 170.000 170.000 160.000 170.000 180.000 170.000	GUIDELINE = 1000 (A2)
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	BDL 210.000 170.000 170.000 170.000 170.000 160.000 170.000 170.000 170.000 160.000	210.000 170.000 180.000 180.000 170.000 160.000 180.000 180.000 170.000	BDL 210.000 170.000 170.000 170.000 170.000 170.000 160.000 170.000 180.000 170.000 160.000 170.000	GUIDELINE = 1000 (A2)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

	RAW 2	2	SITE	1					
			STANDI	NG	FREE FL	OM			
BORON (UG/I)	• • • • • • • • • • • • • • • • • • • •		•	DET'N LIMIT =	2.00	GUIDELINE	= 5000	(A1)
bonon (ou).					DE1 W C1M11 -	2.00	GOIDEEINE	3000	(,
JAN	21.000		21.000		12.000	<1			
FEB	17.000	<t< td=""><td>17.000</td><td><t< td=""><td>18.000</td><td><t< td=""><td></td><td></td><td></td></t<></td></t<></td></t<>	17.000	<t< td=""><td>18.000</td><td><t< td=""><td></td><td></td><td></td></t<></td></t<>	18.000	<t< td=""><td></td><td></td><td></td></t<>			
MAR	35.000		51.000		25.000				
APR	42.000		35.000		31.000				
MAY	100.000		50.000		60.000				
JUN	32.000		19.000	<t< td=""><td>21.000</td><td></td><td></td><td></td><td></td></t<>	21.000				
JUL	30.000		33.000		30.000				
AUG	41.000		35.000		36.000				
SEP	19.000	<t< td=""><td>38.000</td><td></td><td>35.000</td><td></td><td></td><td></td><td></td></t<>	38.000		35.000				
OCT	28.000		29.000		27.000				
NOV	22.000		17.000	<t< td=""><td>19.000</td><td><t< td=""><td></td><td></td><td></td></t<></td></t<>	19.000	<t< td=""><td></td><td></td><td></td></t<>			
DEC	22.000		25.000		25.000				
							×. •		
BERYLLIUM ((UG/L)			DET'N LIMIT =	0.05	GUIDELINE =	6800 (1	D4)
JAN	- BDL		BDL		BDL				
FEB	BDL		BDL		BDL				
MAR	BDL		.090	<t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
APR	BDL		BOL	23.F.V	BDL				
MAY	.150	<t< td=""><td>BDL</td><td></td><td>.090</td><td></td><td></td><td></td><td></td></t<>	BDL		.090				
JUN	BOL	: 10.0.	BDL		BDL	: iatu x :			
JUL	BDL		BDL		BDL				
AUG	.070	<t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL		BDL				
SEP	BDL		.070	<t< td=""><td>BOL</td><td></td><td></td><td></td><td></td></t<>	BOL				
OCT	BDL		BDL		BDL				
NOV	BDL		BDL		BDL				
DEC	BDL		BDL		BDL				
CADMIUM (UG	i/L)				DET'N LIMIT =	0.05	GUIDELINE	= 5	(A1)
JAN	BDL		BDL		BDL				
FEB	BDL	£	BDL		BDL				
MAR	BDL		.100	<t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
APR	BDL		.140	<t< b=""></t<>	BDL				
MAY	BDL		BDL		BDL				
JUN	BDL		BDL		BDL				
JUL	BDL		BDL		BDL				
AUG	BDL		.080	<t< b=""></t<>	BDL				
SEP	BDL		.100		BDL				
OCT	BDL		. 150		BDL				
NOV	BOL		BDL		BDL				
DEC	BOL		.150	<t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
COBALT (UG/	'L)				DET'N LIMIT =	n n2	GUIDELINE =	N/A	
	3.				8	VL	OVIDELINE -		
JAN	BDL		BDL		BDL				
FEB	BDL		BDL		BDL				
MAR	.060		.030		BDL				
APR	.160		.160		.120				
MAY	.070		. 160		.200				
JUN	.300	<1	.240	<t< td=""><td>.240</td><td></td><td></td><td></td><td>-14</td></t<>	.240				-14
JUL	BDL		BDL		.030				
AUG	BDL		.110	<t< td=""><td>.060</td><td></td><td></td><td></td><td></td></t<>	.060				
SEP	.190	<t< td=""><td>.080</td><td></td><td>.080</td><td><⊺</td><td></td><td></td><td></td></t<>	.080		.080	<⊺			
OCT	BOL		BDL		BDL				
NOV	BDL		BDL		BDL				
DEC	BDL		BDL		BDL				

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

RAW 2

			STANDING	FREE FLOW	
CHROMIUM (UG/L)			DET'N LIMIT = 0.50	GUIDELINE = 50 (A1)
JAN	BDL		BOL	BDL	
FEB	BOL		BDL	BDL	
MAR	2.300	<t .<="" td=""><td>4.400 <t< td=""><td>.690 <t< td=""><td></td></t<></td></t<></td></t>	4.400 <t< td=""><td>.690 <t< td=""><td></td></t<></td></t<>	.690 <t< td=""><td></td></t<>	
APR	3.400	<t< td=""><td>2.600 <t< td=""><td>1.500 <t< td=""><td></td></t<></td></t<></td></t<>	2.600 <t< td=""><td>1.500 <t< td=""><td></td></t<></td></t<>	1.500 <t< td=""><td></td></t<>	
MAY	5.400		1.800 <t< td=""><td>2.400 <t< td=""><td></td></t<></td></t<>	2.400 <t< td=""><td></td></t<>	
JUN	4.400	<t< td=""><td>BDL</td><td>.680 <t< td=""><td></td></t<></td></t<>	BDL	.680 <t< td=""><td></td></t<>	
JUL	2.300	<t< td=""><td>2.800 <t< td=""><td>2.300 <t< td=""><td></td></t<></td></t<></td></t<>	2.800 <t< td=""><td>2.300 <t< td=""><td></td></t<></td></t<>	2.300 <t< td=""><td></td></t<>	
AUG	4.000	<⊺	2.200 <t< td=""><td>2.000 <t< td=""><td></td></t<></td></t<>	2.000 <t< td=""><td></td></t<>	
SEP	BDL		3.500 <t< td=""><td>3.000 <t< td=""><td></td></t<></td></t<>	3.000 <t< td=""><td></td></t<>	
OCT	4.300	<t< td=""><td>4.200 <t< td=""><td>4.100 <t< td=""><td></td></t<></td></t<></td></t<>	4.200 <t< td=""><td>4.100 <t< td=""><td></td></t<></td></t<>	4.100 <t< td=""><td></td></t<>	
NOV	1.800		BDL	.740 <t< td=""><td></td></t<>	
DEC	2.500		3.300 <t< td=""><td>3.000 <t< td=""><td></td></t<></td></t<>	3.000 <t< td=""><td></td></t<>	
COPPER (UG	/L)			DET'N LIMIT = 0.50	GUIDELINE = 1000 (A3)
JAN	.510	<t< td=""><td>180.000</td><td>84.000</td><td></td></t<>	180.000	84.000	
FEB	BDL	-00.F	180.000	110.000	
MAR	BDL		150.000	170.000	
APR	BDL		66.000	130.000	
MAY	1.500	<t< td=""><td>55.000</td><td>53.000</td><td></td></t<>	55.000	53.000	
JUN	BDL	**************************************	140.000	110.000	
JUL	.580	eT.	200.000	63.000	
AUG	.960		170.000	85.000	
SEP	1.200		120.000	55.000	
OCT	BDL.		55.000	30.000	
NOV .	.700	> T	35.000		
DEC	.690		38.000	34.000 19.000	
IRON (UG/L	,			DET'N LIMIT = 6.00	GUIDELINE = 300 (A3)
JAN	160.000		170.000	340.000	
FEB	130.000		130.000	91,000	
MAR	150,000		100.000	98.000	
APR	150.000		130.000	130.000	
MAY	130.000	02	110.000	120.000	
JUN	130.000		110.000	120.000	
JUL	160.000		92.000	5 NEBSY 1 SUSYS	
AUG	130.000		150.000	130.000	
	180.000			150.000	
SEP			130.000	140.000	
OCT	150.000		110.000	130.000	
NOV DEC	130.000 140.000		120.000 120.000	120.000 130.000	
MERCURY (U	G/L)			DET'N LIMIT = 0.02	GUIDELINE = 1 (A1)
TAN	POL				
JAN	BDL				
FEB	BDL				
MAR	BOL		€		
APR	BDL		*	•	
MAY	BOL		•	(•)	
JUN	BDL			. •	
JUL	BDL		•		a contract of
AUG	BDL		· ·		
SEP	BDL		- Š		
OCT	BDL		<u>∓</u> }	1.	
NOV	.070 -	<t< td=""><td>•</td><td></td><td></td></t<>	•		
DEC	BDL				

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

RAW 2

			STANDING	FREE FLOW	
MANGANESE	UG/L)		DET'N LIMIT = 0.05	GUIDELINE = 50 (A3)
JAN	11.000		19.000	37.000	
FEB	8.800		11.000	11.000	
MAR	9.300		14.000	13.000	
APR	9.500		10.000	12.000	
MAY	9.000		9.600	9.600	
JUN	8.700		11.000	10.000	
JUL	10.000		14,000	10.000	
AUG	9.400		11.000	10.000	
SEP	11.000		9.200	9.300	
OCT	9.500		9.100	8.500	
NOV	9.300		8.500	8.300	
DEC	9.700		9.200	8.400	
MOLYBDENUM	(UG/L)		DET'N LIMIT = 0.05	GUIDELINE = N/A
JAN	.830		.790	.560	
FEB	.660		.600	.720	
MAR	.780		.800	.650	
APR	.730		.690	.630	
MAY	.650		.710	.620	
JUN	.690		.760	.730	
JUL	.650		.780	.690	
AUG	.620		.720	.710	
SEP	.660		.680	.770	
OCT	.650		.660	.660	
NOV	.680		.610	.650	
DEC	.610		.560	.580	
NICKEL (UG)	ι)			DET'N LIMIT = 0.20	GUIDELINE = 350 (D3)
JAN	BDL		BDL	BDL	
FEB	BDL		BDL	BDL	
MAR	BDL		BDL	BDL	
APR	BDL		BDL	.280 <t< td=""><td></td></t<>	
MAY	BDL		BDL	BDL	
JUN	BOL		BDL	BDL	
JUL	BDL		BDL	BDL	
AUG	BDL		49.000	BDL	
SEP	BDL		BDL	BDL	
OCT	BDL		1.300 <t< td=""><td>BDL</td><td></td></t<>	BDL	
NOV			RDI	RDI	
NOV DEC	BDL BDL		BD L BD L	BDL BDL	
DEC	BDL	æ:			GUIDELINE = 10. (A1)
DEC LEAD (UG/L JAN	BDL BDL)		BDL 2.800	BDL DET'N LIMIT = 0.05 .500 <t< td=""><td>GUIDELINE = 10. (A1)</td></t<>	GUIDELINE = 10. (A1)
DEC LEAD (UG/L JAN FEB	BDL BDL) .120 .160	<t< td=""><td>2.800 4.400</td><td>BDL DET'N LIMIT = 0.05 .500 <t .600<="" td=""><td>GUIDELINE = 10. (A1)</td></t></td></t<>	2.800 4.400	BDL DET'N LIMIT = 0.05 .500 <t .600<="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)
DEC LEAD (UG/L JAN	BDL BDL) .120 .160 .080	<1 <1	2.800 4.400 1.800	BDL DET'N LIMIT = 0.05 .500 < T .600 .760	GUIDELINE = 10. (A1)
DEC LEAD (UG/L JAN FEB	BDL BDL) .120 .160 .080 .100	ব ব্য ব্য	2.800 4.400 1.800 .590	BDL DET'N LIMIT = 0.05 .500 <t .600="" .760="" .990<="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)
DEC LEAD (UG/L JAN FEB MAR APR MAY	30L 30L 30L 30L 30L 30L 30L 30L 30L 30L	া বা বা বা	2.800 4.400 1.800 .590	BDL DET'N LIMIT = 0.05 .500 <t .590<="" .600="" .760="" .990="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)
DEC LEAD (UG/L JAN FEB MAR APR	, 120 , 160 , 080 , 100 , 150 , 210	া বা বা বা	2.800 4.400 1.800 .590	BDL DET'N LIMIT = 0.05 .500 <t .590="" .600="" .670<="" .760="" .990="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)
DEC LEAD (UG/L JAN FEB MAR APR MAY	30L 30L 30L 30L 30L 30L 30L 30L 30L 30L	া বা বা বা	2.800 4.400 1.800 .590	BDL DET'N LIMIT = 0.05 .500 <t .590<="" .600="" .760="" .990="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)
DEC LEAD (UG/L JAN FEB MAR APR MAY JUN	, 120 , 160 , 080 , 100 , 150 , 210	ব ব ব ব ব ব	2.800 4.400 1.800 .590 .530	BDL DET'N LIMIT = 0.05 .500 <t .590="" .600="" .670<="" .760="" .990="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)
DEC JAN FEB MAR APR MAY JUN JUL AUG	, 120 .160 .080 .100 .150 .210	ব ব ব ব ব ব ব	2.800 4.400 1.800 .590 .530 .920 1.600 2.500	BDL DET'N LIMIT = 0.05 .500 <t .590="" .600="" .620="" .670="" .760="" .990="" 1.100<="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL BDL .120 .160 .080 .100 .150 .210 .370 .220	ব ব ব ব ব ব ব ব	2.800 4.400 1.800 .590 .530 .920 1.600 2.500 2.000	BDL DET'N LIMIT = 0.05 .500 <t .590="" .600="" .620="" .670="" .760="" .830<="" .990="" 1.100="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	BDL BDL .120 .160 .080 .100 .150 .210 .370 .220 .230	ব ব ব ব ব ব ব ব ব ব	2.800 4.400 1.800 .590 .530 .920 1.600 2.500 2.000	BDL DET'N LIMIT = 0.05 .500 <t .510<="" .590="" .600="" .620="" .670="" .760="" .830="" .990="" 1.100="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL BDL .120 .160 .080 .100 .150 .210 .370 .220	ব ব ব ব ব ব ব ব ব ব ব ব ব ব ব ব ব ব ব	2.800 4.400 1.800 .590 .530 .920 1.600 2.500 2.000	BDL DET'N LIMIT = 0.05 .500 <t .590="" .600="" .620="" .670="" .760="" .830<="" .990="" 1.100="" td=""><td>GUIDELINE = 10. (A1)</td></t>	GUIDELINE = 10. (A1)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

DISTRIBUTION SYSTEM

RAW 2

YNOMITHA			AT 444 TAL		
			STANDIN	G FREE FLO	
	(UG/L)		DET'N LIMIT = 0.0	GUIDELINE = 146 (D4
JAN	.280	<⊺	.490 <t< td=""><td>.270 <1</td><td></td></t<>	.270 <1	
FEB	.420		.460 <t< td=""><td>.640</td><td></td></t<>	.640	
MAR	.310		.340 <t< td=""><td>.410 <t< td=""><td></td></t<></td></t<>	.410 <t< td=""><td></td></t<>	
APR	.570		.350 <t< td=""><td>.420 <t< td=""><td></td></t<></td></t<>	.420 <t< td=""><td></td></t<>	
MAY	.170		.180 <t< td=""><td>.180 <t< td=""><td></td></t<></td></t<>	.180 <t< td=""><td></td></t<>	
JUN	.370		.520	.310 <t< td=""><td></td></t<>	
JUL	.450		.290 <t< td=""><td>.380 <t< td=""><td></td></t<></td></t<>	.380 <t< td=""><td></td></t<>	
AUG					
	.380		.400 <t< td=""><td>.370 <t< td=""><td></td></t<></td></t<>	.370 <t< td=""><td></td></t<>	
SEP	.280		.370 <t< td=""><td>.270 <1</td><td></td></t<>	.270 <1	
OCT	.300		.350 <t< td=""><td>.370 <t< td=""><td></td></t<></td></t<>	.370 <t< td=""><td></td></t<>	
NOV	.240		.430 <t< td=""><td>.350 <t< td=""><td></td></t<></td></t<>	.350 <t< td=""><td></td></t<>	
DEC	.270	<t </t 	.300 <t< td=""><td>.250 <t< td=""><td>34</td></t<></td></t<>	.250 <t< td=""><td>34</td></t<>	34
SELENIUM	(UG/L)		DET'N LIMIT = 1.00	GUIDELINE = 10 (A1)
JAN	· BDL		BDL	BDL	
FEB	1.100		1.100 <t< td=""><td>BDL</td><td></td></t<>	BDL	
MAR	1.100	<t< td=""><td>BDL</td><td>BDL</td><td></td></t<>	BDL	BDL	
APR	BDL		1.400 <t< td=""><td>1.900 <t< td=""><td></td></t<></td></t<>	1.900 <t< td=""><td></td></t<>	
MAY	BOL		1.100 <t< td=""><td>1.200 <t< td=""><td></td></t<></td></t<>	1.200 <t< td=""><td></td></t<>	
JUN	BDL		1.200 <t< td=""><td>1.200 <t< td=""><td></td></t<></td></t<>	1.200 <t< td=""><td></td></t<>	
JUL	BDL		BDL	BDL	
AUG	BDL		BDL	BDL	
SEP	BDL		BDL	BDL	
OCT	BDL		BDL	BDL	
NOV	BDL		BDL	BDL	
DEC	BDL		BDL	1.100 <t< td=""><td></td></t<>	
CTDONT IIIM	(UG/L			DET'N LIMIT = 0.10	GUIDELINE = N/A
	VII.00-101III.0700-	,	Name of Salary		GOIDELINE - N/A
JAN	340.000		330.000	300.000	
FEB	270.000		280.000	270.000	
MAR	280.000		280.000	270.000	20 0
APR	280.000		280.000	280.000	
MAY	270.000		270.000	280.000	
JUN	240.000		250.000	250.000	
JUL	280.000		270.000	270.000	
AUG	250,000		290.000	280.000	
SEP	290.000		270.000	280.000	
OCT	260.000		250.000	250.000	
NOV	240.000		240.000	240.000	
DEC	260.000		260.000	240.000	
TITANIUM (UG/L			DET'N LIMIT = 0.50	GUIDELINE = N/A
	A)		NEW 12.2		
JAN	11.000		12.000	14.000	
FEB	13.000		15.000	14.000	
MAR	15.000		16.000	18.000	
APR	15.000		19.000	19.000	
	25.000		26.000	27.000	
MAY	31.000		34.000	32.000	
JUN			21.000	20.000	
	20.000				
JUN	20.000 28.000		28.000	29.000	
JUN JUL AUG	28.000				
JUN JUL AUG SEP	28.000 34.000		31.000	33.000	
JUN JUL AUG	28.000				

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

RAW WATER

DISTRIBUTION SYSTEM

RAW 2

			STAND	ING		FREE	FLOW	~	
URANIUM	(UG/L)	, ,		DET'N	LIMIT =	0.05	GUIDELINE = 100	(A1)
JAN	.430	0 <t< td=""><td>.380</td><td><₹</td><td></td><td>.240</td><td><⊺</td><td></td><td></td></t<>	.380	<₹		.240	<⊺		
FEB	.350		.380			.380			
MAR	.380	T > 0	-440	<t< td=""><td></td><td>.380</td><td><t< td=""><td></td><td></td></t<></td></t<>		.380	<t< td=""><td></td><td></td></t<>		
APR	.390) <t< td=""><td>.380</td><td></td><td></td><td>.400</td><td><t< td=""><td></td><td></td></t<></td></t<>	.380			.400	<t< td=""><td></td><td></td></t<>		
MAY	.390) <t< td=""><td>.360</td><td><t< td=""><td></td><td>.430</td><td><t< td=""><td></td><td></td></t<></td></t<></td></t<>	.360	<t< td=""><td></td><td>.430</td><td><t< td=""><td></td><td></td></t<></td></t<>		.430	<t< td=""><td></td><td></td></t<>		
JUN	.360	T> 0	.380	<t< td=""><td></td><td>.390</td><td><t< td=""><td></td><td></td></t<></td></t<>		.390	<t< td=""><td></td><td></td></t<>		
JUL	.360	T> C	.370	<t< td=""><td></td><td>.360</td><td><t .<="" td=""><td></td><td></td></t></td></t<>		.360	<t .<="" td=""><td></td><td></td></t>		
AUG	.430	7> C	.440	<t< td=""><td></td><td>.430</td><td><t< td=""><td></td><td></td></t<></td></t<>		.430	<t< td=""><td></td><td></td></t<>		
SEP		7 × C	.430			.410			
OCT	.460		.430			.390	<1		
NOV	.440		.440		89	.470			
DEC	.390) <t< td=""><td>.360</td><td><t< td=""><td></td><td>.380</td><td><₹</td><td></td><td></td></t<></td></t<>	.360	<t< td=""><td></td><td>.380</td><td><₹</td><td></td><td></td></t<>		.380	<₹		
VANADIUM	(UG/L)			DET'N	LIMIT =	0.05	GUIDELINE = N/A	
JAN	960)	.990			.490	<1		
FEB	1.200		1.400			1.200			
MAR	.220		.270			.200	<t< td=""><td></td><td></td></t<>		
APR	.390		.390			.500	70		
MAY	.110) <t< td=""><td>.150</td><td><t< td=""><td></td><td>.170</td><td><t< td=""><td></td><td></td></t<></td></t<></td></t<>	.150	<t< td=""><td></td><td>.170</td><td><t< td=""><td></td><td></td></t<></td></t<>		.170	<t< td=""><td></td><td></td></t<>		
JUN) <t< td=""><td>.350</td><td></td><td></td><td>.330</td><td>7-25</td><td></td><td></td></t<>	.350			.330	7-25		
JUL	.110) <t< td=""><td>.180</td><td></td><td></td><td>. 190</td><td></td><td></td><td></td></t<>	.180			. 190			
AUG	BDL		.080	<t< td=""><td></td><td>.100</td><td><t< td=""><td></td><td></td></t<></td></t<>		.100	<t< td=""><td></td><td></td></t<>		
SEP	BDL	_	BDL			BDL			
OCT	BDL		BDL			BDL			
NOV	BOL		BDL			BDL			
DEC	.090) <t< td=""><td>BDL</td><td></td><td></td><td>.060</td><td><t< td=""><td></td><td></td></t<></td></t<>	BDL			.060	<t< td=""><td></td><td></td></t<>		
ZINC (UG	/L)				DET'N	LIMIT =	0.20	GUIDELINE = 5000	(A3)
JAN	1.800		33.000			5.800			
FEB	1.600		38.000			13.000	50		
MAR	2.100		48.000			8.600			
APR	1.600		4.900			10.000			
MAY	1.300		5.200			4.300			
JUN	1.600		9.500			6.300			
JUL	1.600		17.000			4.100			
AUG	1.000		14.000			5.200			
SEP	1.100		10.000			3.500			
OCT	1,300		20.000			3.000			
NOV	1.700		5.300			3.500			
DEC	BDL	-))	9.800			1.900	<t< td=""><td></td><td></td></t<>		

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

RAW WATER

DISTRIBUTION SYSTEM

RAW 2

			STANDING	FREE	FLOW		
	PHENOLICS						
PHENOLICS	(UG/L)		DET'N LIMIT =	.200	GUIDELINE = 2	(A4)
MAL	BOL						
FEB	BDL			9€			
MAR	BDL		ě	874			
APR	BOL		*	1 Te			
MAY	.600	<t< td=""><td>*</td><td></td><td></td><td></td><td></td></t<>	*				
JUN	BOL		- Si				
JUL	BDL		•				
AUG	BDL						
SEP	.400	<t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
OCT	1.000	<t< td=""><td>726</td><td>*)</td><td></td><td></td><td></td></t<>	726	*)			
NOV	BDL		ν (<u>*</u>				
DEC	.800	<1					

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

RAW WATER

DISTRIBUTION SYSTEM

RAW 2

L		STANDING	FREE FLOW	
	VOLATILES	9 #		
BENZENE (U		DE	T'N LIMIT = 0.05	GUIDELINE = 5 (A1
JAN	BOL	# j	BDL	
FEB	BDL		BDL	
MAR	.100 <t< td=""><td>350 31<u>4</u>3</td><td>BDL</td><td></td></t<>	350 31 <u>4</u> 3	BDL	
APR	BOL		.050 <t< td=""><td></td></t<>	
MAY	BDL	-	BDL	
JUN	BDL		BOL	
JUL	BDL		BDL	
AUG	BDL	0°49	BDL	
SEP	BDL	170 120	BDL	
OCT	BDL	676 720	BDL	
NOV	BDL	120 120	BDL	
DEC	BOL	•	BOL	
OLUENE (UC	G/L)	DE	T'N LIMIT = 0.05	GUIDELINE = 24 (A
JAN	BDL	•	.150 <t< td=""><td></td></t<>	
FEB	BDL	•	BDL	
MAR	BDL	**	BDL	
APR	BDL	•	BDL	
MAY	BDL	9 92 0 0	.050 <t< td=""><td></td></t<>	
JUN	BDL.	\$ =)%	BDL	
JUL	BDL	3 ● M	BOL	
AUG	BDL	3 ●9	BDL	
SEP	BDL	Factor =	BDL	
OCT	BOL	(-))	BDL	
NOV	BDL	₩ ()	BDL	
DEC	BDL		BDL	
THYLBENZEN	IE (UG/L)	DE	T'N LIMIT = 0.05	GUIDELINE = 2.4 (A3)
JAN	BDL	*	BDL	
FEB	BDL	_ • 10	BDL	
MAR	.100 <t< td=""><td>■ N</td><td>.150 <t< td=""><td></td></t<></td></t<>	■ N	.150 <t< td=""><td></td></t<>	
APR	BDL	* ,	.150 <t< td=""><td></td></t<>	
MAY	.100 <t< td=""><td>¥100</td><td>.100 <t< td=""><td></td></t<></td></t<>	¥100	.100 <t< td=""><td></td></t<>	
JUN	444 -			
	.100 <t< td=""><td></td><td>.150 <t< td=""><td></td></t<></td></t<>		.150 <t< td=""><td></td></t<>	
JUL	.100 <t BDL</t 	* *111		
		* •	.150 <t .150 <t .200 <t< td=""><td></td></t<></t </t 	
JUL	BDL	* •111	.150 <t .200 <t< td=""><td></td></t<></t 	
JUL AUG	BDL BDL	* • 111 * •	.150 <t< td=""><td></td></t<>	
JUL AUG SEP	BDL BDL BDL		.150 <t .200 <t .050 <t< td=""><td></td></t<></t </t 	
JUL AUG SEP OCT	BDL BDL BDL .050 <t< td=""><td></td><td>.150 <t .200 <t .050 <t .100 <t< td=""><td></td></t<></t </t </t </td></t<>		.150 <t .200 <t .050 <t .100 <t< td=""><td></td></t<></t </t </t 	
JUL AUG SEP OCT NOV DEC	BDL BDL BDL .050 <t .100 <t .050 <t< td=""><td>DET</td><td>.150 <t .200 <t .050 <t .100 <t .050 <t< td=""><td>GUIDELINE = 300 (A3</td></t<></t </t </t </t </td></t<></t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t< td=""><td>GUIDELINE = 300 (A3</td></t<></t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC	BDL BDL BDL .050 <t .100 <t .050 <t< td=""><td>DET</td><td>.150 <t .200 <t .050 <t .100 <t .050 <t BDL</t </t </t </t </t </td><td>GUIDELINE = 300 (A3</td></t<></t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL</t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U	BDL BDL BDL .050 <t .100 <t .050 <t< td=""><td>DET</td><td>.150 <t .200 <t .050 <t .100 <t .050 <t BDL</t </t </t </t </t </td><td>GUIDELINE = 300 (A3</td></t<></t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL</t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U	BDL BDL BDL .050 <t .100 <t .050 <t< td=""><td>DET</td><td>.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t< td=""><td>GUIDELINE = 300 (A3</td></t<></t </t </t </t </t </td></t<></t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t< td=""><td>GUIDELINE = 300 (A3</td></t<></t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U	BDL BDL BDL .050 <t .100 <t .050 <t BDL BDL</t </t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05</t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U JAN FEB MAR	BDL BDL BDL .050 <t .100 <t .050 <t BDL BDL BDL BDL</t </t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t BDL BDL</t </t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U JAN FEB MAR APR	BDL BDL .050 <t .100 <t .050 <t BDL BDL BDL BDL BDL</t </t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t BDL BDL BDL</t </t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U JAN FEB MAR APR MAY JUN	BDL BDL .050 <t .100 <t .050 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t BDL BDL BDL BDL BDL BDL</t </t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U JAN FEB MAR APR MAY JUN JUL	BDL BDL .050 <t .100 <t .050 <t .050 <t BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U JAN FEB MAR APR MAY JUN JUL AUG	BDL BDL .050 <t .100 <t .050 <t .050 <t BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL BDL .050 <t .100 <t .050 <t .050 <t BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	BDL BDL .050 <t .100 <t .050 <t .050 <t BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	DEI	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t </t </t 	GUIDELINE = 300 (A3
JUL AUG SEP OCT NOV DEC -XYLENE (U JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL BDL .050 <t .100 <t .050 <t .050 <t BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t 	DET	.150 <t .200 <t .050 <t .100 <t .050 <t BDL T'N LIMIT = 0.05 .050 <t BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL</t </t </t </t </t </t 	GUIDELINE = 300 (A3

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990 -

RAW WATER

DISTRIBUTION SYSTEM

RAW 2

		STANDING	FREE FLOW	
STYRENE (U	G/L)	C	ET'N LIMIT = 0.05	GUIDELINE = 100 (D1)
JAN	BDL		BDL	
FEB	.100 <t< td=""><td>•</td><td>BDL</td><td></td></t<>	•	BDL	
MAR	.200 <t< td=""><td>1 × 1</td><td>.250 <t< td=""><td></td></t<></td></t<>	1 × 1	.250 <t< td=""><td></td></t<>	
APR	BDL	**************************************	.150 <t< td=""><td></td></t<>	
MAY	.100 <t< td=""><td></td><td>.150 <t< td=""><td></td></t<></td></t<>		.150 <t< td=""><td></td></t<>	
JUN	.200 <t< td=""><td>250 250</td><td>.250 <t< td=""><td></td></t<></td></t<>	250 250	.250 <t< td=""><td></td></t<>	
JUL	BDL	A₩X.	.200 <t< td=""><td></td></t<>	
AUG	.100 <t< td=""><td>A.₹42</td><td>.350 <t< td=""><td>4.</td></t<></td></t<>	A.₹42	.350 <t< td=""><td>4.</td></t<>	4.
SEP	BDL	•	.100 <t< td=""><td></td></t<>	
OCT	.050 <t< td=""><td>(●%</td><td>.100 <t< td=""><td></td></t<></td></t<>	(●%	.100 <t< td=""><td></td></t<>	
NOV	.150 <t< td=""><td>8●90</td><td></td><td></td></t<>	8 ● 90		
			.100 <t< td=""><td></td></t<>	
DEC	.100 <t< td=""><td></td><td>BDL</td><td></td></t<>		BDL	
CHLOROFORM	(UG/L)	D	ET'N LIMIT = 0.10	GUIDELINE = 350 (A1+)
JAN	. BDL	•	2.600	
FEB	BDL		.700 <t< td=""><td></td></t<>	
MAR	BDL	(66) 🐞	.500 <t< td=""><td></td></t<>	
APR	BOL	•	.500 <t< td=""><td></td></t<>	
MAY	BDL	<u> </u>	.600 <t< td=""><td></td></t<>	
JUN	BDL	-	.600 <t< td=""><td></td></t<>	
JUL	BDL	06	.800 <t< td=""><td></td></t<>	
AUG	BDL	•	.800 <t< td=""><td></td></t<>	
SEP	BDL	•	.800 <t< td=""><td></td></t<>	
OCT	BDL	27	1.100	
NOV	BDL		29.5 AV5325	
			.900 <t< td=""><td></td></t<>	
DEC	BOL	*	.800 <t< td=""><td></td></t<>	
	OROETHANE (UG/L) D	ET'N LIMIT = 0.02	GUIDELINE = 200 (D1)
JAN .	BDL	•	BDL	
FEB	BDL		BDL	
MAR	BDL		BDL	
APR	BDL	¥	BDL	
MAY	BOL	•	BDL	
JUN	.140 <t< td=""><td></td><td>.100 <t< td=""><td></td></t<></td></t<>		.100 <t< td=""><td></td></t<>	
JUL	BDL	•	.040 <t< td=""><td></td></t<>	
AUG	BOL		BDL	
SEP	BDL		BDL	
OCT	BDL		BDL	
NOV	BDL	1.5		
DEC	BOL	(# 	BDL BDL	
TRICHLOROET	HYLENE (UG/L) D	ET'N LIMIT = 0.10	GUIDELINE = 50 (A1)
A STATE OF	mirene (ou) L			
			6 400	
JAN	BDL	17 <u>2</u> 8	6.400 RDI	
JAN FEB	BDL BDL	•	BDL	
JAN FEB MAR	BDL BDL	•	BOL BOL	
JAN FEB MAR APR	BDL BDL BDL		BOL BOL	
JAN FEB MAR APR MAY	BDL BDL BDL BDL		BDL BDL BDL	
JAN FEB MAR APR MAY JUN	BDL BDL BDL BDL BDL BDL	•	BDL BDL BDL BDL BDL	
JAN FEB MAR APR MAY JUN JUL	BDL BDL BDL BDL BDL BDL BDL	•	BDL BDL BDL BDL BDL BDL	
JAN FEB MAR APR MAY JUN JUL AUG	BDL BDL BDL BDL BDL BDL BDL BDL		BDL BDL BDL BDL BDL BDL	
JAN FEB MAR APR MAY JUN JUL	BDL BDL BDL BDL BDL BDL BDL BDL BDL		BDL BDL BDL BDL BDL BDL	
JAN FEB MAR APR MAY JUN JUL AUG	BDL BDL BDL BDL BDL BDL BDL BDL		BDL BDL BDL BDL BDL BDL	
JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL BDL BDL BDL BDL BDL BDL BDL BDL		BDL BDL BDL BDL BDL BDL BDL BDL	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM CENTENNIAL PARK WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 2

SITE 1

		STANDING	FREE FLOW	
ICHLOROBRO	MOMETHANE (UG/L)	DET'N LIMIT = 0.05	GUIDELINE = 350 (A1+)
JAN	BDL		.700	
FEB	BOL		.650 <t< td=""><td></td></t<>	
MAR	BOL		.500 <t< td=""><td></td></t<>	
APR	BDL		.550	
MAY	BOL		.600 <t< td=""><td></td></t<>	
JUN	BDL	<u> </u>	.600 <t< td=""><td></td></t<>	
JUL	BDL		.750 <t< td=""><td></td></t<>	
AUG	BDL	•	.650 <t< td=""><td></td></t<>	
SEP	BOL		.800 <t< td=""><td></td></t<>	
OCT	BDL	•	1.550	
NOV	BOL	•	1.100	
DEC	BDL		1.050	
HLOROD I BRO	MOMETHANE (UG/L)	DET'N LIMIT = 0.10	GUIDELINE = 350 (A1+)
JAN	BDL		.300 <t< td=""><td></td></t<>	
FEB	- BDL	× 2	.500 <t< td=""><td></td></t<>	
MAR	BDL	"	.400 <t< td=""><td></td></t<>	
APR	BDL		.400 <t< td=""><td></td></t<>	
MAY	BDL		.400 <t< td=""><td></td></t<>	
JUN	BDL		.300 <t< td=""><td></td></t<>	
JUL	BDL		.500 <t< td=""><td></td></t<>	
	BDL	•	.500 <t< td=""><td></td></t<>	
AUG		•		
SEP	BOL	•	.600 <t< td=""><td></td></t<>	
OCT	BDL		1.700	
			000	
NOV	BOL	•	.800 <t< td=""><td></td></t<>	
NOV DEC	BDL	· ·	.800 <t< td=""><td></td></t<>	
NOV DEC	BDL	••••••••••••••••••••••••••••••••••••••		GUIDELINE = 350 (A1+)
NOV DEC ROMOFORM (U	BDL UG/L) BDL	:	.800 <t bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC ROMOFORM (U JAN FEB	BDL JG/L) BDL BDL	: :	.800 <t .200="" <t<="" bdl="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC ROMOFORM (U JAN FEB MAR	BDL BDL BDL BDL BDL	: : :	.800 <t .200="" <t="" bdl="" bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC SROMOFORM (U JAN FEB MAR APR	BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" <t="" bdl="" bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC ROMOFORM (U JAN FEB MAR APR MAY	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" <t="" bdl="" bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC SROMOFORM (U JAN FEB MAR APR	BDL BDL BDL BDL BDL BDL BDL	: : : : :	.800 <t .200="" <t="" bdl="" bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC 	BDL BDL BDL BDL BDL BDL BDL BDL	: : : :	.800 <t .200="" <t="" bdl="" bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC JAN FEB MAR APR MAY JUN	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" <t="" bdl="" bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC JAN FEB MAR APR MAY JUN JUL	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" <t="" bdl="" bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" <t="" bdl="" bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" <t="" bdl="" bdl<="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" <t="" bd<="" bdl="" det'n="" l="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)
NOV DEC BROMOFORM (U JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" .400="" 1.400="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" .400="" .500="" 1.400="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC GROMOFORM (U) JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" .400="" 1.400="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC BROMOFORM (U JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" .400="" .500="" 1.400="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC BROMOFORM (U JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC TOTAL TRIHAL	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" .400="" 1.400="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR	BDL UG/L) BDL BDL BDL BDL BDL BDL BDL BD		.800 <t .200="" .400="" 1.400="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC TOTAL TRIHAI	BDL UG/L) BDL BDL BDL BDL BDL BDL BDL BD)	.800 <t .200="" .400="" 1.400="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR MAY JUN	BDL UG/L) BDL BDL BDL BDL BDL BDL BDL BD		.800 <t .200="" .400="" 1.400="" 1.450="" 1.500="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC SROMOFORM (U JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC TOTAL TRIHAL JAN FEB MAR APR MAY JUN JUL	BDL UG/L) BDL BDL BDL BDL BDL BDL BDL BD		.800 <t .200="" .400="" 1.400="" 1.450="" 1.500="" 2.050="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC TOTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG JAN FEB MAR APR MAY JUN JUL AUG	BDL UG/L) BDL BDL BDL BDL BDL BDL BDL BD		.800 <t .200="" .400="" 1.400="" 1.450="" 1.500="" 1.850="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP OTAL TRIHAL AUG SEP JUN JUL AUG SEP	BDL UG/L) BDL BDL BDL BDL BDL BDL BDL BD		.800 <t .200="" .400="" 1.400="" 1.450="" 1.500="" 1.850="" 2.050="" 2.450="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC TOTAL TRIHAL FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC TOTAL TRIHAL FEB MAR APR APR MAY JUN JUL AUG SEP OCT	BDL BDL BDL BDL BDL BDL BDL BDL		.800 <t .200="" .400="" 1.400="" 1.450="" 1.500="" 1.850="" 2.050="" 2.450="" 5.850<="" <t="" bdl="" det'n="" limit="0.20" td=""><td></td></t>	
NOV DEC BROMOFORM (U JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC TOTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC TOTAL TRIHAL JAN FEB MAR APR MAY JUN JUL AUG SEP	BDL UG/L) BDL BDL BDL BDL BDL BDL BDL BD)	.800 <t .200="" .400="" 1.400="" 1.450="" 1.500="" 1.850="" 2.050="" 2.450="" <t="" <t<="" bdl="" det'n="" limit="0.20" td=""><td>GUIDELINE = 350 (A1+)</td></t>	GUIDELINE = 350 (A1+)

THE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

RAW WELL

DISTRIBUTION SYSTEM

	RAW 3	SITE 1		
		STANDING	FREE FLOW	200
	BACTERIOLOGICAL			MILDEL THE - O CARN
FECAL COLI	FORM MF (CT/100ML)	,	DET'N LIMIT = 0	GUIDELINE = 0 (A1)
JAN	0		2.	
FEB	BDL		:●:	
MAR	0	*	13 6 -	
APR	0	*	%	
MAY	0	*	:	
JUN	0		•	
JUL	0	: €		
AUG	0	•	1.0	
SEP	0 .	27 W	(• I	
OCT	0	*	•	
NOV	0	•	•	
DEC	0			
STANDED PL	ATE CNT MF (COUNT/ML)	DET'N LIMIT = 0	GUIDELINE = 500/ML (A3)
JAN			4 <=>	
FEB	*	•	109	
APR		7	2 <=>	
AUG			6 <=>	
SEP			0 <=>	
OCT	2		1 <=>	
NOV	7)	100	2 <=>	
DEC	•	10 4 0	2 <=>	
TOTAL COLI	FORM MF (CT/100ML)		DET'N LIMIT = 0	GUIDELINE = 5/100ML(A1)
LAN	001			
JAN FEB	BDL BDL	169	:D	
			ꮣ	
MAR APR	BDL BDL	0.000	9•0	
MAY	BDL	200	> ● %	
JUN	0	() () () () () () () () () ()	3.00	
JUL	0		•	
	ŏ	(•	
AUG SEP	Ö	1.	•	
	Ö	2 . *!	8 €\$	
NOV	ő	9₩:	?● ?	
DEC	Ö	3.0	3 .	
T COLIFORM	BCKGRD MF (CT/100ML)		DET'N LIMIT = 0	GUIDELINE = N/A
JAN	BDL			
FEB	BDL	7000		
MAR	BDL	(16)	= 	
APR	BOL		<u>§</u> • \(\)	
MAY	BDL	(a) 121	.	
JUN	0 0 0	(€)	₽)	
JUL	Ü	5. 9 .5	. • 1	
AUG	0	19 0 3	9€00	
SEP	0	0000	*	
OCT	0	(.	3	
W.1				
NOV	0		.0	

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

RAW WELL

DISTRIBUTION SYSTEM

RAW 3

		SA SIGN SONO METAL CHAPT MASS HAR HAS SANO	STANDING	FREE FLOW	
		TRY (FLD)		, , , , , , , , , , , , , , , , , , ,	CARRENCES OF STREET WAS A SECOND
FLD CHLORINE	E (COMB) (MG	/L)		DET'N LIMIT = 0	GUIDELINE = N/A
JAN	¥		.000	-000	
FEB	•		.000	.000	
APR			.000	.000	
AUG			.000	.000	
SEP			.000	.000	
OCT	S 2		.000	.000	
NOV	5 2		.000	.000	
DEC	•		.000	.000	
FLD CHLORINE	FREE (MG/	L)		DET'N LIMIT = 0	GUIDELINE = N/A
JAN			.100	.100	
FEB			.100	.100	
APR			.100	.100	
AUG	## ## ## ## ## ## ## ## ## ## ## ## ##		.100	.100	
SEP	11 g		.100	.100	
OCT			.100	.100	
NOV			.100	.100	
DEC	:*		.100	.100	
FLD CHLORINE	(TOTAL) (MG/L)	DET'N LIMIT = 0	GUIDELINE = N/A
JAN			.100	.100	
FEB			.100	.100	
APR	- B		.100	.100	
AUG	S II		.100	.100	
SEP			.100	.100	
OCT			.100	.100	*C
NOV	•		.100	.100	250
DEC			.100	.100	
FLD PH (DMNS	SLESS)			DET'N LIMIT = N/A	GUIDELINE = 6.5-8.5(A4)
MAL	7.400		7.600	7.600	
FEB	7.400		7.600	7.400	
MAR	7.500		a agrana	antico motor:	a
APR	7.500		7.600	7.600	
MAY	7.400		140		
JUN	7.400			•	
JUL	7.300		.e. 1487	(I ►)	
AUG	7.400		7.600	7.400	
SEP	7.400		7.500	7.500	
OCT	7.500		7.400	7.400	
NOV	7.400		7.400	7.400	
DEC	7.500		7.600	7.400	
	/ 3181		r CMILL	/ ALIII	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

		STANDING	FREE FLOW	
FLD TEMPE	RATURE (DEG.C)	DET'N LIMIT = N/A	GUIDELINE = 15 (A3)
JAN	8.000	13.000	4.000	
FEB	8.000	13.000	3.900	
MAR	7.500	5 	***	
APR	7.800	12.000	5.500	
MAY	8.300		2 22 22 •	
JUN	8.900	7.000 7.000	•	
JUL	8.000		a 🚆	
AUG	9.000	15.000	8.000	
SEP	8.700	104	•	
OCT	8.000	16,000	9.500	
NOV	7.500	10.500	8.000	
DEC	8.000	15.000	8.000	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

			STANDING	FREE FLOW	60
	C	HEMISTRY	(LAB)		
LKALINITY	(MG/L)		DET'N LIMIT = 0.2	GUIDELINE = 30-500 (A
JAN	254.800		263.600	255.400	:80
FEB	249.500		255.000	250.200	
MAR	247.900		233.000	2771273	
APR	242.100		261.800	249.600	
			201.000	249.800	
MAY	205.700		(●	•	
JUN	240.000		? ₩ :	•	
JUL	213.900			(a))	
AUG	262.100		264.600	261.400	
SEP	253.100		257.000	256.600	
OCT	244.700		243.400	226.600	
NOV	263.900		261.100	261.000	
DEC	241.600		263.500	254.900	
ALCIUM (M	G/L)			DET'N LIMIT = 0.2	GUIDELINE = 100 (F2)
JAN	87.600		93.400	91.400	
FEB	86.400		84.200	83.000	
MAR	83,400		7 1475		
APR	84.000		90.600	85.600	
			70.000	85.800	
MAY	80.700				
JUN	86.100		(●)		
JUL	75.800		300	•	
AUG	94.600		105.300	102.900	
SEP	98.800		100.100	100,400	
OCT	88.200		84.700	74.400	
NOV	104.000		98.800	98.800	
DEC	85.600		91.400	82.700	
HLORIDE (MC //			DET'N LIMIT = 0.2	GUIDELINE = 250 (A3)
HEORIDE (MG/L	•			
JAN	26.000		26.100	26.000	
JAN	26.000			26.000	
JAN FEB	26.000 26.300		26.100 26.800		
JAN FEB MAR	26.000 26.300 26.700	- "	26.800	26.000 26.200	
JAN FEB MAR APR	26.000 26.300 26.700 26.400	- "		26.000	
JAN FEB MAR	26.000 26.300 26.700	- "	26.800	26.000 26.200	
JAN FEB MAR APR	26.000 26.300 26.700 26.400		26.800	26.000 26.200	
JAN FEB MAR APR MAY	26.000 26.300 26.700 26.400 32.800		26.800	26.000 26.200	
JAN FEB MAR APR MAY JUN JUL	26.000 26.300 26.700 26.400 32.800 33.900 34.100		26.800 23.800	26.000 26.200 26.000	
JAN FEB MAR APR MAY JUN JUL AUG	26.000 26.300 26.700 26.400 32.800 33.900 34.100		26.800 23.800	26.000 26.200 26.000	
JAN FEB MAR APR MAY JUN JUL AUG SEP	26.000 26.300 26.700 26.400 32.800 33.900 34.100 34.000 33.700		26.800 23.800	26.000 26.200 26.000 34.400 34.000	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	26.000 26.300 26.700 26.400 32.800 34.100 34.000 33.700 34.200		26.800 23.800	26.000 26.200 26.000 34.400 34.000 22.200	
JAN FEB MAR APR MAY JUN JUL AUG SEP	26.000 26.300 26.700 26.400 32.800 34.100 34.100 33.700 34.200 34.600		26.800 23.800 34.700 33.900 22.300 34.000	26.000 26.200 26.000 34.400 34.000 22.200 33.500	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	26.000 26.300 26.700 26.400 32.800 34.100 34.000 33.700 34.200		26.800 23.800	26.000 26.200 26.000 34.400 34.000 22.200	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	26.000 26.300 26.700 26.400 32.800 33.900 34.100 34.000 34.200 34.600 31.100		26.800 23.800 34.700 33.900 22.300 34.000	26.000 26.200 26.000 34.400 34.000 22.200 33.500	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZ	26.000 26.300 26.700 26.400 32.800 34.100 34.000 34.200 34.600 31.100		26.800 23.800 34.700 33.900 22.300 34.000 23.600	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZ	26.000 26.300 26.700 26.400 32.800 34.100 34.000 34.200 34.600 31.100		26.800 23.800 34.700 33.900 22.300 34.000 23.600	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZ	26.000 26.300 26.700 26.400 32.800 33.900 34.100 34.000 34.600 31.100	ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR	26.000 26.300 26.700 26.400 32.800 33.900 34.100 34.000 34.600 31.100 0)	ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC DLOUR (HZI JAN FEB MAR APR	26.000 26.300 26.700 26.400 32.800 34.100 34.000 34.200 34.600 31.100	ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600 BDL BDL	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZI JAN FEB MAR APR MAY	26.000 26.300 26.700 26.400 32.800 34.100 34.000 34.200 34.600 31.100 35.00 36.000 36.000 37.000 36.000 37.000 36.000 37.000	ব ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZI JAN FEB MAR APR MAY JUN	26.000 26.300 26.700 26.400 32.800 34.100 34.100 34.200 34.600 31.100 35.00 BDL .500 BDL .500	ব ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600 BDL BDL	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZI JAN FEB MAR APR MAY JUN JUL	26.000 26.300 26.700 26.400 32.800 33.900 34.100 34.000 31.100 35.000 30.500 80L .500 .500 80L	ব ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600 BDL BDL	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZI JAN FEB MAR APR MAY JUN	26.000 26.300 26.700 26.400 32.800 34.100 34.100 34.200 34.600 31.100 35.00 BDL .500 BDL .500	ব ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600 BDL BDL	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZ	26.000 26.300 26.700 26.400 32.800 33.900 34.100 34.000 34.600 31.100 .500 BDL .500 BDL .500 BDL .500 BDL	ব ব ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600 BDL BDL BDL	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZ) JAN FEB MAR APR MAY JUN JUL AUG SEP	26.000 26.300 26.700 26.400 32.800 33.900 34.100 34.200 34.600 31.100 .500 BDL .500 .500 BDL .500	ব ব ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600 BDL BDL BDL BDL BDL C	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZI JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	26.000 26.300 26.700 26.400 32.800 33.900 34.100 34.200 34.600 31.100 .500 BDL .500 BDL .500 BDL .500 BDL .500 BDL	ব ব ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600 BDL BDL BDL BDL S00 < T	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5 .500 .500 < T BDL .500 < T	GUIDELINE = 5 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC OLOUR (HZ) JAN FEB MAR APR MAY JUN JUL AUG SEP	26.000 26.300 26.700 26.400 32.800 33.900 34.100 34.200 34.600 31.100 .500 BDL .500 .500 BDL .500	ব ব ব ব ব	26.800 23.800 34.700 33.900 22.300 34.000 23.600 BDL BDL BDL BDL BDL C	26.000 26.200 26.000 34.400 34.000 22.200 33.500 23.800 DET'N LIMIT = 0.5	GUIDELINE = 5 (A3)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

		STAN	DING	FREE FLOW		
CONDUCTIVITY	(UMHO/CM)	DET'N L	IMIT = 1.	GUIDELINE	= 400 (F2)
JAN	594	597	,	598		
FEB	581	590		585		
MAR	588	3,0	ž.	202		
APR	575	579		582		
		217		302		
MAY	632	•		*		
JUN	647	•		i i		
JUL	585					
AUG	648	646		643		
SEP	609	611		612		
OCT	604	587		539		
NOV	659	648		649		
DEC	638	573		572		
DISS ORG CAR	BON (MG/L)	DET'N L	IMIT = .100	GUIDELINE	= 5.0 (A3)
JAN	.500	.500		.300 <t< td=""><td></td><td></td></t<>		
FEB	.600	.600		.500		
MAR	.400 <t< td=""><td>ė *•0</td><td></td><td></td><td></td><td></td></t<>	ė *• 0				
APR	.700	.700		.700		
MAY	.600					
JUN	.700	*				
JUL	.600	who who		*		
AUG	.600	.600		.700		
SEP	.600	.600		.500		
OCT	.600	.600		.700		
NOV	.600	.500		.600		
DEC	.600	.500		.500		
FLUORIDE (MG,	/L)		DET'N L	IMIT = 0.01	GUIDELINE	= 2.4 (A1)
JAN	.060	.060		.060		
FEB	.060	.060		.060		
MAR	.040 <t< td=""><td></td><td></td><td>*</td><td></td><td></td></t<>			*		
APR	.060	.060		.060		
MAY	.060			*		-£
JUN	.060			2 2		
JUL	.060			# # # # # # # # # # # # # # # # # # #		
AUG	.060	.060		.060	25	
SEP	.060	.040		.040 <t< td=""><td></td><td></td></t<>		
OCT	.040 <t< td=""><td>.060</td><td></td><td>.060</td><td></td><td></td></t<>	.060		.060		
NOV	.060	.020		.040 <t< td=""><td></td><td></td></t<>		
DEC	.080	.060		.060		
HARDNESS (MG	/L)		DET'N L	IMIT = 0.5	GUIDELINE	= 80-100 (A4)
JAN 2	286.000	301.000	2	95.000		28%
	282.100	276.400		73.900		
	275.000			150		
	276.400	296.000	2	82.100		
	268.600	2,01000)	andersal		
	285.000	***				
	257.000	##X		Ħ		
JUL 4	306.200	335.000	-	27.400		
			3			
AUG 3		210 000				
AUG SEP	514.700	318.000		18.600		
AUG SEP OCT	314.700 290.700	281.100	2	56.100		
AUG SEP OCT NOV	514.700		2 3			

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

		STANDING	FREE FLOW	
IONCAL	(DMNSLESS)		DET'N LIMIT = N/A	GUIDELINE = N/A
JAN	1.356	.864	1.487	
FEB	1.667	4.972	4.443	
MAR		**************************************		
APR		.819	1.643	
MAY			9. 	
JUN		P • 5	•	
JUL		· •	1.	
AUG		3.486	2.267	
SEP		3.946	4.413	
OCT	3.989	2.806	.200	
NOV		.339	.422	40
DEC	4.814	2.055	3.562	
LANGEL	IERS INDEX (DMNSLESS)_	DET'N LIMIT = N/A	GUIDELINE = N/A
JAN	1.149	1.211	1.118	
FEB	1.095	1.292	1.158	
MAR	1.176	•	•	
APR	1.150	1.337	1.221	
MAY	.827	. • 1	6	
JUN	.942	2.00		
JUL			-	
AUG	1.071	1.431	1.336	
SEP	1.267	1.329	1.289	
OCT	1.203	1.135	.872	₹
NOV		1.178	1.138	
DEC	1.112	1.344	1.286	
		1.344		W.
MAGNES	IUM (MG/L)		DET'N LIMIT = 0.10	GUIDELINE = 30 (F2)
JAN	16.400	16.500	16.300	
FEB	16.150	16.050	16.150	
MAR	16.300	1	***************************************	
APR	16, 200	16.900	16,600	
APR	16.200 16.250	16.900	16.600	
MAY	16.250	16.900	16.600	
MAY JUN	16.250 17.200	16.900	16.600	
MAY JUN JUL	16.250 17.200 16.500	•	97770057100571	
MAY JUN JUL AUG	16.250 17.200 16.500 17.050	17.500	: : 17.150	
MAY JUN JUL AUG SEP	16.250 17.200 16.500 17.050 16.550	17.500 16.550	17.150 16.500	
MAY JUN JUL AUG SEP OCT	16.250 17.200 16.500 17.050 16.550 17.100	17.500 16.550 16.900	17.150 16.500 17.050	
MAY JUN JUL AUG SEP	16.250 17.200 16.500 17.050 16.550 17.100	17.500 16.550 16.900 17.150	17.150 16.500 17.050 16.950	
MAY JUN JUL AUG SEP OCT	16.250 17.200 16.500 17.050 16.550 17.100	17.500 16.550 16.900	17.150 16.500 17.050	
MAY JUN JUL AUG SEP OCT NOV DEC	16.250 17.200 16.500 17.050 16.550 17.100	17.500 16.550 16.900 17.150	17.150 16.500 17.050 16.950	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOD IUM	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400	17.500 16.550 16.900 17.150 17.350	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOD IUM JAN FEB	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L)	17.500 16.550 16.900 17.150 17.350	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOD IUM JAN FEB	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L)	17.500 16.550 16.900 17.150 17.350	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOD IUM JAN FEB MAR	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L) 14.200 13.200 12.400	17.500 16.550 16.900 17.150 17.350	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2 14.200 13.500	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOD IUM JAN FEB MAR APR	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L)	17.500 16.550 16.900 17.150 17.350	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOD IUM JAN FEB MAR APR	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L) 14.200 13.200 12.400 12.600 13.700	17.500 16.550 16.900 17.150 17.350	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2 14.200 13.500	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOD IUM JAN FEB MAR APR MAY JUN	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L) 14.200 13.200 12.400 12.600 13.700 12.400	17.500 16.550 16.900 17.150 17.350	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2 14.200 13.500	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOD IUM JAN FEB MAR APAY JUN JUL	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L) 14.200 13.200 12.400 12.600 13.700 12.400 12.800	17.500 16.550 16.900 17.150 17.350 14.600 14.300	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2 14.200 13.500	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SODIUM JAN FEB MAR APR MAR APR MAY JUN JUL AUG	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L) 14.200 13.200 12.400 12.600 13.700 12.400 12.800 12.800	17.500 16.550 16.900 17.150 17.350 14.600 14.300 12.200	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2 14.200 13.500 12.800	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SODIUM JAN FEB MAR APR MAY JUN JUL AUG SEP	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L) 14.200 13.200 12.400 12.600 13.700 12.400 12.400 12.800 12.800 14.500	17.500 16.550 16.900 17.150 17.350 14.600 14.300 12.200	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2 14.200 13.500 12.800 14.900	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOO IUM JAN FEB MAR APR MAY JUN JUN JUN JUN SEP OCT	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L) 14.200 13.200 12.400 12.600 13.700 12.400 12.800 12.800 12.800 14.500 13.600	17.500 16.550 16.900 17.150 17.350 14.600 14.300 12.200 	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2 14.200 13.500 12.800 14.900 13.300	GUIDELINE = 200 (A4
MAY JUN JUL AUG SEP OCT NOV DEC SOD IUM JAN FEB MAR APR MAY JUN AUG SEP	16.250 17.200 16.500 17.050 16.550 17.100 17.100 16.400 (MG/L) 14.200 13.200 12.400 12.600 13.700 12.400 12.400 12.800 12.800 14.500	17.500 16.550 16.900 17.150 17.350 14.600 14.300 12.200	17.150 16.500 17.050 16.950 17.150 DET'N LIMIT = 0.2 14.200 13.500 12.800 14.900	GUIDELINE = 200 (A4

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

			STANDING	FREE	FLOW	
AMMON I UM	TOTAL (MG/L)		DET'N LIMIT =	0.002	GUIDELINE = 0.05 (F2)
JAN	BDL		BDL	BDL		
FEB	BDL		BDL	BOL		
MAR	.002		1.550 E			
APR	BDL		.014	.010		
MAY	BDL		.014	.0.0		
JUN	BOL		•			
JUL				i . €:		
	BOL		07.	000		
AUG	BOL		.034	.008		
SEP	BDL		BOL	BDL		
OCT	BDL		BDL	BDL		
NOV	BDL		BDL	.004	<t< td=""><td></td></t<>	
DEC	BDL		BDL	BDL		
NITRITE ((MG/L)			DET'N LIMIT =	0.001	GUIDELINE = 1 (A1)
JAN	.003 <1		.002 <t< td=""><td>.001</td><td></td><td></td></t<>	.001		
FEB	.001 <1		.001 <t< td=""><td>.006</td><td></td><td></td></t<>	.006		
MAR	.005					
APR	.001 <1		.001 <t< td=""><td>.003</td><td><t< td=""><td></td></t<></td></t<>	.003	<t< td=""><td></td></t<>	
MAY	.003 <1		1/40	-		
JUN	.002 <1		102	-		
JUL	.005		11.00	120		
AUG	.002 <1	•	.001 <t< td=""><td>.001</td><td>∢T</td><td></td></t<>	.001	∢T	
SEP	.003 <1		.002 <t< td=""><td>.002</td><td></td><td></td></t<>	.002		
	.005 1					
	001 -1		004 -1			
OCT	.001 <7		.001 <t< td=""><td>BDL</td><td></td><td></td></t<>	BDL		
OCT NOV	.003 <t< td=""><td></td><td>.001 <t< td=""><td>.002</td><td></td><td></td></t<></td></t<>		.001 <t< td=""><td>.002</td><td></td><td></td></t<>	.002		
OCT				1000000		
OCT NOV DEC	.003 <t< td=""><td></td><td>.001 <t< td=""><td>.002</td><td>∢ī </td><td>GUIDELINE = 10 (A</td></t<></td></t<>		.001 <t< td=""><td>.002</td><td>∢ī </td><td>GUIDELINE = 10 (A</td></t<>	.002	∢ī 	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT	.003 <t BDL TRATES (MG/L 3.440</t 		.001 <t BDL 3.400</t 	.002 BDL DET'N LIMIT = 3.370	<t 0.005</t 	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT	.003 <1 BDL RATES (MG/L 3.440 3.330		.001 <t BDL</t 	.002 BDL DET'N LIMIT =	<t 0.005</t 	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT	.003 <t BDL TRATES (MG/L 3.440</t 		.001 <t BDL 3.400</t 	.002 BDL DET'N LIMIT = 3.370	<t 0.005</t 	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB	.003 <1 BDL RATES (MG/L 3.440 3.330		.001 <t BDL 3.400</t 	.002 BDL DET'N LIMIT = 3.370	<t 0.005</t 	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR	.003 <1 BDL RATES (MG/L 3.440 3.330 3.410		3.400 3.410	.002 BDL DET'N LIMIT = 3.370 3.320	<t 0.005</t 	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR APR	.003 <t BDL 3.440 3.330 3.410 3.300 4.030</t 		3.400 3.410	.002 BDL DET'N LIMIT = 3.370 3.320	<t 0.005</t 	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN	.003 <t BDL 3.440 3.330 3.410 3.300 4.030 4.730</t 		3.400 3.410	.002 BDL DET'N LIMIT = 3.370 3.320	<t 0.005</t 	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL	.003 <t BDL 3.440 3.330 3.410 3.300 4.030 4.730 4.320</t 		3.400 3.410 3.130	.002 BDL DET'N LIMIT = 3.370 3.320 .130	<τ 0.005	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG	.003 <t BDL 3.440 3.330 3.410 3.300 4.030 4.730 4.320 4.800</t 		3.400 3.410 3.130	.002 BDL DET'N LIMIT = 3.370 3.320 .130	0.005	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP	.003 <t BDL 3.440 3.330 3.410 3.300 4.030 4.730 4.320 4.800 3.710</t 		3.400 3.410 3.130 4.940 3.790	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750	<τ 0.005	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	.003 <t BDL 3.440 3.330 3.410 3.300 4.030 4.730 4.320 4.800 3.710 5.500</t 		3.400 3.410 3.130 4.940 3.790 2.770	.002 BDL 3.370 3.320 .130 4.830 3.750 2.760	0.005	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP	.003 <t BDL 3.440 3.330 3.410 3.300 4.030 4.730 4.320 4.800 3.710</t 		3.400 3.410 3.130 4.940 3.790	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750	<t 0.005</t 	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.003 <1 BDL 3.440 3.330 3.410 3.300 4.030 4.730 4.730 4.320 4.800 3.710 5.500 4.690)	3.400 3.410 3.130 4.940 3.790 2.770 4.770	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780	0.005	GUIDELINE = 10 (A
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.003 <t (mg<="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" bdl="" kjeld="" td="" tot=""><td>)</td><td>3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830</td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850</td><td>0.005</td><td></td></t>)	3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850	0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.003 <t (mg<="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" bdl="" kjeld="" td="" tot=""><td>) i/L)</td><td>3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830</td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 .4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070</td><td>0.005 0.005</td><td></td></t>) i/L)	3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830	.002 BDL DET'N LIMIT = 3.370 3.320 .130 .4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC NITROGEN	.003 <t (mg<="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" bdl="" kjeld="" td="" tot=""><td>) i/L)</td><td>3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830</td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850</td><td>0.005 0.005</td><td></td></t>) i/L)	3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUN JUN JUN OCT NOV DEC 	.003 <t (mg<="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" bdl="" kjeld="" td="" tot=""><td>) i/L)</td><td>3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830</td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT =</td><td>0.005 0.005</td><td></td></t>) i/L)	3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT =	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUN JUN JUN JUN OCT NOV DEC NITROGEN JAN FEB MAR APR	.003 <t (mg="" .080="" .090="" .100="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" <t="" <t<="" bdl="" kjeld="" td="" tot=""><td>) //L)</td><td>3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830</td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 .4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070</td><td>0.005 0.005</td><td></td></t>) //L)	3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830	.002 BDL DET'N LIMIT = 3.370 3.320 .130 .4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC 	.003 <t (mg="" .080="" .090="" .100="" .240="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" <t="" <t<="" bdl="" kjeld="" td="" tot=""><td>) i/L)</td><td>3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830</td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT =</td><td>0.005 0.005</td><td></td></t>) i/L)	3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT =	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC NITROGEN JAN FEB MAR APR MAY JUN	.003 <t (mg="" .080="" .090="" .100="" .240="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" <t="" <t<="" bdl="" kjeld="" l="" td="" tot="" trates=""><td>) //L)</td><td>3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830</td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT =</td><td>0.005 0.005</td><td></td></t>) //L)	3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT =	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC NITROGEN JAN FEB MAR APR MAY JUN JUN JUL	.003 <t (mg="" .080="" .090="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" <t="" <t<="" bdl="" kjeld="" td="" tot=""><td>) //L)</td><td>3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830</td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100</td><td>0.005 0.005</td><td></td></t>) //L)	3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC 	.003 <t (mg="" .080="" .090="" .100="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" <t="" <t<="" bdl="" kjeld="" td="" tot=""><td>) //L)</td><td>.001 <t BDL 3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830 .100 .110 .140</t </td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100080</td><td>0.005 0.005</td><td></td></t>) //L)	.001 <t BDL 3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830 .100 .110 .140</t 	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100080	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC NITROGEN JAN FEB MAR APR MAY JUN JUL AUG SEP	.003 <t (mg="" .080="" .090="" .100="" .240="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" <t="" <t<="" bdl="" kjeld="" td="" tot=""><td>) //L)</td><td>.001 <t BDL 3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830 .100 .110 .140</t </td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100080 .030</td><td>0.005 0.005</td><td></td></t>) //L)	.001 <t BDL 3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830 .100 .110 .140</t 	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100080 .030	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC 	.003 <t (mg="" .080="" .090="" .100="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" <t="" <t<="" bdl="" kjeld="" td="" tot=""><td>) //L)</td><td>.001 <t BDL 3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830 .100 .110 .140</t </td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100 .080 .030 .080</td><td>0.005 0.005</td><td></td></t>) //L)	.001 <t BDL 3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830 .100 .110 .140</t 	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100 .080 .030 .080	0.005 0.005	
OCT NOV DEC TOTAL NIT JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC NITROGEN JAN FEB MAR APR MAY JUN JUL AUG SEP	.003 <t (mg="" .080="" .090="" .100="" .240="" 3.300="" 3.330="" 3.410="" 3.440="" 3.710="" 4.030="" 4.320="" 4.690="" 4.730="" 4.800="" 5.500="" 6.050="" <t="" <t<="" bdl="" kjeld="" td="" tot=""><td>) //L)</td><td>.001 <t BDL 3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830 .100 .110 .140</t </td><td>.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100080 .030</td><td>0.005 0.005</td><td></td></t>) //L)	.001 <t BDL 3.400 3.410 3.130 4.940 3.790 2.770 4.770 2.830 .100 .110 .140</t 	.002 BDL DET'N LIMIT = 3.370 3.320 .130 4.830 3.750 2.760 4.780 2.850 DET'N LIMIT = .070 .140 .100080 .030	0.005 0.005	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

		STANDING	FREE FLOW	
PH (DMNSLESS	3)		DET'N LIMIT = N/A	GUIDELINE = 6.5-8.5(A4)
JAN	8.270	8.290	8.220	
FEB	8.230	8.430	8.310	
MAR	8.330	1.6		
APR	8.310	8.430	8.360	
MAY	8.080		000 00000 €0000 	
JUN	8.100		(**)	
JUL	8.290	250		
AUG	8.150	8.460	8.380	
SEP	8.340	8.390	8.350	
	8.340	8.290	8.110	
OCT				
NOV	8.500	8.240	8.200	
DEC	8.270	8.430	8.430	
HOSPHORUS F	IL REACT (MG/	L)	DET'N LIMIT = 0.0005	GUIDELINE = N/A
JAN	- BDL	198	% 9	
FEB	BDL	Y.	2 0	
MAR	BDL	1.20 120		
APR	.001 <t< td=""><td></td><td></td><td></td></t<>			
MAY	BDL	£ ® .	 //	
JUN	.001 <t< td=""><td>≥.</td><td>1. ≥3</td><td></td></t<>	≥.	1 . ≥3	
		3.0	(●)	
JUL	.000 <t< td=""><td>∀₩€</td><td>(3€)'</td><td></td></t<>	∀ ₩€	(3 €)'	
AUG	.000 <t< td=""><td>£●0</td><td>₩)</td><td></td></t<>	£ ● 0	₩)	
SEP	BOL		· ·	
OCT	BDL			
NOV	.001 <t< td=""><td>•</td><td>(a)</td><td></td></t<>	•	(a)	
NOV DEC	.001 <t .000 <t< th=""><th>:</th><th></th><th></th></t<></t 	:		
DEC PHOSPHORUS T	.000 <t< td=""><td>;</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t<>	;	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T	.000 <t (mg="" bdl<="" l="" otal="" td=""><td>· · ·</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	· · ·	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T JAN FEB	.000 <t (mg="" .005="" <t<="" bdl="" l="" otal="" td=""><td>; ;</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	; ;	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T JAN FEB MAR	.000 <t (mg="" .005="" <t="" bdl="" bdl<="" l="" otal="" td=""><td>······································</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	······································	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T JAN FEB	.000 <t (mg="" .004="" .005="" <t="" <t<="" bdl="" cotal="" l="" td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	· · · · · · · · · · · · · · · · · · ·	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T JAN FEB MAR	.000 <t (mg="" .005="" <t="" bdl="" bdl<="" l="" otal="" td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	· · · · · · · · · · · · · · · · · · ·	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T JAN FEB MAR APR	.000 <t (mg="" .004="" .005="" <t="" <t<="" bdl="" cotal="" l="" td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	· · · · · · · · · · · · · · · · · · ·	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T JAN FEB MAR APR MAY	.000 <t (mg="" .002="" .004="" .005="" <t="" <t<="" bdl="" l="" otal="" td=""><td>· •</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	· •	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL	.000 <t (mg="" .002="" .004="" .005="" <t="" bdl="" bdl<="" l="" otal="" td=""><td>:</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	:	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG	.000 <t (mg="" .002="" .004="" .005="" <t="" bdl="" bdl<="" l="" otal="" td=""><td>•</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	•	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	.000 <t (mg="" .002="" .004="" .005="" <t="" bdl="" bdl<="" l="" otal="" td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	· · · · · · · · · · · · · · · · · · ·	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	.000 <t (mg="" .002="" .003="" .004="" .005="" <t="" <t<="" bdl="" l="" otal="" td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	· · · · · · · · · · · · · · · · · · ·	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	.000 <t (mg="" .002="" .004="" .005="" <t="" bdl="" bdl<="" l="" otal="" td=""><td>;</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2)</td></t>	;	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2)
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV	.000 <t (mg="" .002="" .003="" .004="" .005="" <t="" <t<="" bdl="" l="" otal="" td=""><td>)</td><td>DET'N LIMIT = 0.002</td><td>GUIDELINE = .40 (F2) GUIDELINE = 500 (A3)</td></t>)	DET'N LIMIT = 0.002	GUIDELINE = .40 (F2) GUIDELINE = 500 (A3)
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SUL PHATE (MG	.000 <t (mg="" .002="" .003="" .004="" .005="" <t="" <t<="" bdl="" l="" otal="" td=""><td></td><td>DET'N LIMIT = ,200</td><td></td></t>		DET'N LIMIT = ,200	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SULPHATE (MG	.000 <t (mg="" .002="" .003="" .004="" .005="" <t="" <t<="" bdl="" l="" otal="" td=""><td>16.730</td><td>DET'N LIMIT = ,200</td><td></td></t>	16.730	DET'N LIMIT = ,200	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SULPHATE (MG	.000 <t (mg="" .001="" .002="" .003="" .004="" .005="" <t="" <t<="" bdl="" jone="" l="" otal="" st="" td=""><td></td><td>DET'N LIMIT = ,200</td><td></td></t>		DET'N LIMIT = ,200	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SULPHATE (MG	.000 <t ###="" (mg="" .002="" .003="" .004="" .005="" <t="" add="" bdl="" contro<="" control="" l="" of="" otal="" td="" the="" to=""><td>16.730 16.920</td><td>DET'N LIMIT = .200 16.580 16.780</td><td></td></t>	16.730 16.920	DET'N LIMIT = .200 16.580 16.780	
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SULPHATE (MG JAN FEB MAR APR	.000 <t (mg="" .001="" .002="" .003="" .004="" .005="" <t="" <t<="" bdl="" icl="" l="" otal="" td=""><td>16.730</td><td>DET'N LIMIT = ,200</td><td></td></t>	16.730	DET'N LIMIT = ,200	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY	.000 <t (mg="" .001="" .002="" .003="" .004="" .005="" .007="" <t="" <t<="" bdl="" icl="" l="" otal="" td=""><td>16.730 16.920</td><td>DET'N LIMIT = .200 16.580 16.780</td><td></td></t>	16.730 16.920	DET'N LIMIT = .200 16.580 16.780	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SULPHATE (MG JAN FEB MAR APR	.000 <t (mg="")="" .002="" .003="" .004="" .005="" 16.670="" 16.730="" 16.870="" 16.910="" 17.990="" 18.800<="" <t="" bdl="" icl="" l="" otal="" td=""><td>16.730 16.920</td><td>DET'N LIMIT = .200 16.580 16.780</td><td></td></t>	16.730 16.920	DET'N LIMIT = .200 16.580 16.780	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY	.000 <t (mg="")="" .002="" .003="" .004="" .005="" 16.670="" 16.730="" 16.870="" 16.910="" 17.990="" 18.800<="" <t="" bdl="" icl="" l="" otal="" td=""><td>16.730 16.920</td><td>DET'N LIMIT = .200 16.580 16.780</td><td></td></t>	16.730 16.920	DET'N LIMIT = .200 16.580 16.780	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAR APR MAY JUN JUL JUN JUN JUN JUN JUN JUN	.000 <t (mg="")="" .002="" .003="" .004="" .005="" 16.670="" 16.730="" 16.870="" 16.910="" 17.990="" 18.670<="" 18.800="" <t="" bdl="" id.="" l="" otal="" td=""><td>16.730 16.920 17.640</td><td>DET'N LIMIT = .200 16.580 16.780 17.400</td><td></td></t>	16.730 16.920 17.640	DET'N LIMIT = .200 16.580 16.780 17.400	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SUL PHATE (MG JAN FEB MAR APR MAY JUN JUL AUG JUN JUN JUL AUG	.000 <t (mg="")="" .002="" .003="" .004="" .005="" 16.670="" 16.730="" 16.870="" 16.910="" 17.990="" 18.670="" 18.800="" 19.330<="" <t="" bdl="" icl="" l="" otal="" td=""><td>16.730 16.920 17.640</td><td>DET'N LIMIT = .200 16.580 16.780 17.400</td><td></td></t>	16.730 16.920 17.640	DET'N LIMIT = .200 16.580 16.780 17.400	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SUL PHATE (MG FEB MAR APR MAY JUN JUL AUG SEP JAN FEB MAR APR MAY JUN JUL AUG SEP	.000 <t (mg="" .002="" .003="" .004="" .005="" 16.670="" 16.730="" 16.870="" 16.910="" 17.250<="" 17.990="" 18.670="" 18.800="" 19.330="" <t="" bdl="" icl="" l="" otal="" td=""><td>16.730 16.920 17.640 :</td><td>DET'N LIMIT = .200 16.580 16.780 17.400</td><td></td></t>	16.730 16.920 17.640 :	DET'N LIMIT = .200 16.580 16.780 17.400	
DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT SULPHATE (MG	.000 <t (mg="" .001="" .002="" .003="" .004="" .005="" <t="" bdl="" ic<="" icl="" l="" otal="" st="" td=""><td>16.730 16.920 17.640 19.430 17.380 15.850</td><td>DET'N LIMIT = ,200 16.580 16.780 17.400 19.450 17.430 15.860</td><td></td></t>	16.730 16.920 17.640 19.430 17.380 15.850	DET'N LIMIT = ,200 16.580 16.780 17.400 19.450 17.430 15.860	
DEC PHOSPHORUS T JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC SUL PHATE (MG FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	.000 <t (mg="" .002="" .003="" .004="" .005="" 16.670="" 16.730="" 16.870="" 16.910="" 17.250<="" 17.990="" 18.670="" 18.800="" 19.330="" <t="" bdl="" icl="" l="" otal="" td=""><td>16.730 16.920 17.640 :</td><td>DET'N LIMIT = .200 16.580 16.780 17.400</td><td></td></t>	16.730 16.920 17.640 :	DET'N LIMIT = .200 16.580 16.780 17.400	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

			STANDING	FREE	FLOW		
TURBIDITY	(FTU)		DET'N LIMIT =	0.05	GUIDELINE = 1	(A1)
JAN	3.400		.730	.880			
FEB	.840		.710	.330			
MAR	.510		Description of the Control of the Co	T-001000000			
APR	.190	<1	.250 <t< td=""><td>.130</td><td><t< td=""><td></td><td></td></t<></td></t<>	.130	<t< td=""><td></td><td></td></t<>		
MAY	.160		*	1. 1/4			
JUN	.200			Via.			
JUL	.560			W#			
AUG	.500		.500	.390			
SEP	.540		.140 <t< td=""><td>.160</td><td><1</td><td></td><td></td></t<>	.160	<1		
OCT	.140	<1	.120 <t< td=""><td>.240</td><td></td><td></td><td></td></t<>	.240			
NOV	.110	<1	.140 <t< td=""><td>.530</td><td></td><td></td><td></td></t<>	.530			
DEC	1.150		.190	.360			

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

		STANDING	FREE FLOW	
	METALS			4.1
ALUMINUM	(UG/L)		DET'N LIMIT = 0.10	GUIDELINE = 100 (A4)
JAN	5.500	7.000	7.100	
FEB	8.200	9.800	9.600	
MAR	9.800	10.5.5.7.5 18	S-3	
APR	10.000	12.000	17.000	
MAY	31.000			
JUN	4,500	를 2	2.5.	
JUL	6.300		4.5	
AUG	8.100	10.000	10.000	
SEP	5.600	6.100	6.100	
OCT	1.700	3.000	4.500	
NOV DEC	1.400 3.000	1.800 2.700	1.800 2.400	
ARSENIC (•••••	••••••	DET'N LIMIT = 0.10	GUIDELINE = 25 (A1)
	•			GOIDELINE - 25 (AT)
JAN	.470 <t< td=""><td>.670 <t< td=""><td>.640 <t< td=""><td></td></t<></td></t<></td></t<>	.670 <t< td=""><td>.640 <t< td=""><td></td></t<></td></t<>	.640 <t< td=""><td></td></t<>	
FEB	1.100	.890 <t< td=""><td>.950 <t< td=""><td></td></t<></td></t<>	.950 <t< td=""><td></td></t<>	
MAR	.180 <t< td=""><td></td><td></td><td></td></t<>			
APR	.260 <t< td=""><td>.170 <t< td=""><td>.300 <t< td=""><td></td></t<></td></t<></td></t<>	.170 <t< td=""><td>.300 <t< td=""><td></td></t<></td></t<>	.300 <t< td=""><td></td></t<>	
MAY	.220 <t< td=""><td>•</td><td></td><td></td></t<>	•		
JUN	.480 <t< td=""><td>¥</td><td>•</td><td></td></t<>	¥	•	
JUL	.230 <t< td=""><td>್ರ.≩</td><td>•</td><td></td></t<>	್ರ.≩	•	
AUG	.160 <t< td=""><td>.130 <t< td=""><td>.120 <t< td=""><td></td></t<></td></t<></td></t<>	.130 <t< td=""><td>.120 <t< td=""><td></td></t<></td></t<>	.120 <t< td=""><td></td></t<>	
SEP	BDL	BDL	BDL	
OCT	BDL	BDL	BDL	
NOV	.360 <t< td=""><td>.480 <t< td=""><td>.450 <t< td=""><td></td></t<></td></t<></td></t<>	.480 <t< td=""><td>.450 <t< td=""><td></td></t<></td></t<>	.450 <t< td=""><td></td></t<>	
DEC	.120 <t< td=""><td>BDL</td><td>.200 <t< td=""><td></td></t<></td></t<>	BDL	.200 <t< td=""><td></td></t<>	
BARIUM (U	G/L)		DET'N LIMIT = 0.05	GUIDELINE = 1000 (A2)
JAN	78.000	79.000	74.000	
FEB	67.000	68.000	67.000	
MAR	67.000		1-00-00 1 W-000-00-00 V	
APR	69.000	67.000	67.000	
	07.000	01.000	01.000	
MAY	75,000			
MAY	75.000 72.000	25 ()	•	
JUN	72.000	25 € Q • }	•	
JUN JUL	72.000 75.000	70.000	: :	
JUN JUL AUG	72.000 75.000 77.000	79.000	76.000	
JUN JUL AUG SEP	72.000 75.000 77.000 74.000	67.000	63.000	
JUN JUL AUG SEP OCT	72.000 75.000 77.000 74.000 74.000	67.000 77.000	63.000 75.000	
JUN JUL AUG SEP OCT NOV	72.000 75.000 77.000 74.000 74.000 70.000	67.000 77.000 70.000	63.000 75.000 71.000	
JUN JUL AUG SEP OCT NOV DEC	72.000 75.000 77.000 74.000 74.000 70.000 82.000	67.000 77.000 70.000 80.000	63.000 75.000 71.000 69.000	
JUN JUL AUG SEP OCT NOV DEC	72.000 75.000 77.000 74.000 74.000 70.000 82.000	67.000 77.000 70.000 80.000	63.000 75.000 71.000 69.000	GUIDELINE = 5000 (A1)
JUN JUL AUG SEP OCT NOV DEC	72.000 75.000 77.000 74.000 74.000 70.000 82.000	67.000 77.000 70.000 80.000	63.000 75.000 71.000 69.000	GUIDELINE = 5000 (A1)
JUN JUL AUG SEP OCT NOV DEC	72.000 75.000 77.000 74.000 74.000 70.000 82.000	67.000 77.000 70.000 80.000	63.000 75.000 71.000 69.000	GUIDELINE = 5000 (A1)
JUN JUL AUG SEP OCT NOV DEC BORON (UG)	72.000 75.000 77.000 74.000 74.000 70.000 82.000 /L)	67.000 77.000 70.000 80.000	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t< td=""><td>GUIDELINE = 5000 (A1)</td></t<>	GUIDELINE = 5000 (A1)
JUN JUL AUG SEP OCT NOV DEC BORON (UG)	72.000 75.000 77.000 74.000 74.000 70.000 82.000	67.000 77.000 70.000 80.000	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t< td=""><td>GUIDELINE = 5000 (A1)</td></t<>	GUIDELINE = 5000 (A1)
JUN JUL AUG SEP OCT NOV DEC BORON (UG,	72.000 75.000 77.000 74.000 74.000 70.000 82.000 /L) 11.000 <t 10.000 <t 9.600 <t< td=""><td>67.000 77.000 70.000 80.000</td><td>63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t< td=""><td>GUIDELINE = 5000 (A1)</td></t<></t </td></t<></t </t 	67.000 77.000 70.000 80.000	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t< td=""><td>GUIDELINE = 5000 (A1)</td></t<></t 	GUIDELINE = 5000 (A1)
JUN JUL AUG SEP OCT NOV DEC BORON (UG) JAN FEB MAR APR MAY	72.000 75.000 77.000 74.000 74.000 70.000 82.000 /L) 11.000 < T 10.000 < T 16.000 < T 28.000	67.000 77.000 70.000 80.000	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t< td=""><td>GUIDELINE = 5000 (A1)</td></t<></t 	GUIDELINE = 5000 (A1)
JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN	72.000 75.000 77.000 74.000 74.000 70.000 82.000 /L) 11.000 <t 10.000 <t 9.600 <t 28.000 10.000 <t< td=""><td>67.000 77.000 70.000 80.000</td><td>63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t< td=""><td>GUIDELINE = 5000 (A1</td></t<></t </td></t<></t </t </t 	67.000 77.000 70.000 80.000	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t< td=""><td>GUIDELINE = 5000 (A1</td></t<></t 	GUIDELINE = 5000 (A1
JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL	72.000 75.000 77.000 74.000 74.000 70.000 82.000 /L) 11.000 <t 10.000 <t 9.600 <t 16.000 <t 28.000 10.000 <t 30.000</t </t </t </t </t 	67.000 77.000 70.000 80.000 10.000 <t 11.000 <t 40.000</t </t 	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t< td=""><td>GUIDELINE = 5000 (A1</td></t<></t 	GUIDELINE = 5000 (A1
JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG	72.000 75.000 77.000 74.000 74.000 70.000 82.000 /L) 11.000 <t 10.000="" 16.000="" 27.000<="" 28.000="" 30.000="" <t="" td=""><td>67.000 77.000 70.000 80.000 10.000 <t 11.000 <t 40.000</t </t </td><td>63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t 28.000</t </t </td><td>GUIDELINE = 5000 (A1</td></t>	67.000 77.000 70.000 80.000 10.000 <t 11.000 <t 40.000</t </t 	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t 28.000</t </t 	GUIDELINE = 5000 (A1
JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	72.000 75.000 77.000 74.000 74.000 74.000 82.000 /L) 11.000 <t 10.000="" 16.000="" 21.000<="" 27.000="" 28.000="" 30.000="" <t="" td=""><td>67.000 77.000 70.000 80.000 10.000 <t 11.000 <t 40.000 24.000 29.000</t </t </td><td>63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t 28.000 25.000 29.000</t </t </td><td>GUIDELINE = 5000 (A1</td></t>	67.000 77.000 70.000 80.000 10.000 <t 11.000 <t 40.000 24.000 29.000</t </t 	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t 28.000 25.000 29.000</t </t 	GUIDELINE = 5000 (A1
JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	72.000 75.000 77.000 74.000 74.000 74.000 82.000 /L) 11.000 <t 10.000="" 16.000="" 21.000="" 27.000="" 28.000="" 30.000="" 8.000="" 9.600="" <t="" <t<="" td=""><td>67.000 77.000 70.000 80.000 10.000 <t 11.000 <t 40.000 24.000 29.000 23.000</t </t </td><td>63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t 28.000 25.000 29.000 24.000</t </t </td><td>GUIDELINE = 5000 (A1</td></t>	67.000 77.000 70.000 80.000 10.000 <t 11.000 <t 40.000 24.000 29.000 23.000</t </t 	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t 28.000 25.000 29.000 24.000</t </t 	GUIDELINE = 5000 (A1
JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP	72.000 75.000 77.000 74.000 74.000 74.000 82.000 /L) 11.000 <t 10.000="" 16.000="" 21.000<="" 27.000="" 28.000="" 30.000="" <t="" td=""><td>67.000 77.000 70.000 80.000 10.000 <t 11.000 <t 40.000 24.000 29.000</t </t </td><td>63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t 28.000 25.000 29.000</t </t </td><td>GUIDELINE = 5000 (A1)</td></t>	67.000 77.000 70.000 80.000 10.000 <t 11.000 <t 40.000 24.000 29.000</t </t 	63.000 75.000 71.000 69.000 DET'N LIMIT = 2.00 9.300 <t 9.900 <t 28.000 25.000 29.000</t </t 	GUIDELINE = 5000 (A1)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

			STAN	DING	FREE	FLOW		
BERYLLIUM (UG/	/L)			DET'N LIMIT =	0.05	 GUIDELINE = 6800 (D4)
JAN	BDL		BDL		BDL			
FEB	BOL		BDL		BDL			
MAR	BOL				50.5			
APR	BOL		BOL		BDL			
MAY	BOL		500		UU L			
JUN	BDL		70					
JUL	.070		7.		•			
AUG	.060		.060	<t< td=""><td>BDL</td><td></td><td></td><td></td></t<>	BDL			
SEP	.080		BDL	*1	.090			
OCT	BOL	38.88	BOL		BDL			
NOV	BOL		BOL		BDL			
DEC	BOL		BOL		BDL			
CADMIUM (UG/L)				DET'N LIMIT =	0.05	GUIDELINE = 5	(A1)
JAN .	. BDL		.100	<t< td=""><td>BDL</td><td></td><td></td><td></td></t<>	BDL			
FEB	BOL		BDL		BDL			
MAR	BOL		%					
APR	BDL		.060	<t< td=""><td>BDL</td><td></td><td></td><td></td></t<>	BDL			
MAY	BDL							
JUN	BDL							
JUL	BOL							
AUG	BDL		BDL		BDL			
SEP	BDL		.060	<t< td=""><td>BDL</td><td></td><td></td><td></td></t<>	BDL			
OCT	BOL		BDL		BDL			
NOV	BOL		BDL		BDL			
DEC	BDL		BDL		BOL			
COBALT (UG/L)				DET'N LIMIT =	0.02	GUIDELINE = N/A	
JAN	BDL		BOL		BDL			
FEB	BDL		3.100		1.600			
MAR	.050	<t< td=""><td>2</td><td></td><td>₩ ₩</td><td></td><td></td><td></td></t<>	2		₩ ₩			
APR	.030	<1	2.400		.140	<t< td=""><td></td><td></td></t<>		
MAY	.080	<1						
JUN	.140	<t< td=""><td></td><td></td><td>19</td><td></td><td></td><td></td></t<>			19			
JUL	BDL		*7805					
AUG	BDL		.070	<t< td=""><td>BDL</td><td></td><td></td><td></td></t<>	BDL			
SEP	BDL		.120		.140	<t< td=""><td></td><td></td></t<>		
OCT	BDL		BDL		BDL			
NOV	BDL		BDL		BDL			
DEC	BOL		BDL		BDL			
CHROMIUM (UG/L	2)			DET'N LIMIT =	0.50	GUIDELINE = 50 (A1)	
MAL	BDL		BDL		BDL			
FEB	BDL		BDL		BDL			
MAR	BOL				•			
- APR	.980		4.600	<t< td=""><td>3.000</td><td><t< td=""><td></td><td></td></t<></td></t<>	3.000	<t< td=""><td></td><td></td></t<>		
	1.700				(*			
	1.200						#1	
	4.600				-		· ·	
	3.200		2.800	<t< td=""><td>2.900</td><td><1</td><td></td><td></td></t<>	2.900	<1		
	2.700		4.100		4.400			
				11000	S.W0.55 (M)	- 10X		
	1.300	<t< td=""><td>5.400</td><td></td><td>5.600</td><td></td><td></td><td></td></t<>	5.400		5.600			
OCT			5.400 2.500	< T	5.600 2.500	<t< td=""><td></td><td></td></t<>		

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3 SITE 1

			STAND ING	FREE FLOW	
COPPER	(UG/L)	197		DET'N LIMIT = 0.50	0 GUIDELINE = 1000 (A3)
MAL	1.30	0 <t< td=""><td>440.000</td><td>41.000</td><td></td></t<>	440.000	41.000	
FEB	1.20	T> 0	350.000	43.000	
MAR			STATE OF THE STATE		
APR			330.000	36.000	
MAY				-	
JUN			. 	<u>=</u>	
JUL			Y* (*)	•	
AUG		7> 0	400.000	45.000	
SEP			170.000	35.000	
OCT			330.000	46.000	
NOV			91.000	39.000	
DEC			280.000	45.000	
IRON (L	UG/L)	• • • • • •		DET'N LIMIT = 6.00	- 0 GUIDELINE = 300 (A3)
JAN	1.1.000) et	BDL	7.600 <7	
FEB			BOL	BDL RDL	
MAR			BUL	BUL	
					
APR			BDL	BDL	
MAY	BDI		*)		
JUN	BDI		•	•	
JUL	BDI				
AUG			BDL	BDL	
SEP	BDI		BDL	BDL	
OCT	BDI		BDL	12.000 <t< td=""><td></td></t<>	
NOV	BDI		BDL	BDL	
DEC	17.000) <t< td=""><td>BDL</td><td>BDL</td><td></td></t<>	BDL	BDL	
MERCURY	Y (UG/L	·)	******************	DET'N LIMIT = 0.02	- 2 GUIDELINE = 1 (A
JAN	BDI				
FEB	BDI		1€72	•	
MAR			. ■1	•	
	BDI		≥ 0	•	
APR	BDI		₩ ₩		
MAY	BDI				
JUN	BDI		*	•	
JUL) <t< td=""><td></td><td><u>.</u></td><td></td></t<>		<u>.</u>	
AUG	BDI			€	
SEP	BDI		•		
OCT	.070		(• 1)		
NOV	BDI		•		
DEC	BDI	2		a	
	BDI ESE (UG/L			DET'N LIMIT = 0.05	GUIDELINE = 50 (A3)
MANGANE JAN	ESE (UG/L 5.900))	5.100	4.000	GUIDELINE = 50 (A3)
MANGANE JAN FEB	5.900 4.700))	5.100 4.100		GUIDELINE = 50 (A3)
MANGANE JAN	ESE (UG/L 5.900))	4.100	4.000 3.600	GUIDELINE = 50 (A3)
MANGANE JAN FEB MAR	5.900 4.700)))	4.100	4.000 3.600	GUIDELINE = 50 (A3)
JAN FEB MAR APR	5.900 4.700 5.300 5.400)))))	5.100 4.100 5.000	4.000	GUIDELINE = 50 (A3)
JAN FEB MAR APR MAY	5.900 4.700 5.300 5.400 3.600)))))	4.100	4.000 3.600	GUIDELINE = 50 (A3)
JAN FEB MAR APR MAY JUN	5.900 4.700 5.300 5.400 3.600 1.800))))))	4.100	4.000 3.600	GUIDELINE = 50 (A3)
JAN FEB MAR APR MAY JUN JUL	5.900 4.700 5.300 5.400 3.600 1.800))))))	4.100 5.000	4.000 3.600 4.400	GUIDELINE = 50 (A3)
JAN FEB MAR APR MAY JUN JUL AUG	5.900 4.700 5.300 5.400 3.600 1.800 .530))))))))) (4.100 5.000	4.000 3.600 4.400 	GUIDELINE = 50 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP	5.900 4.700 5.300 5.400 3.600 1.800 .530 .260))))))))) (4.100 5.000 .900 .350 <t< td=""><td>4.000 3.600 4.400 .120 <t< td=""><td>GUIDELINE = 50 (A3)</td></t<></td></t<>	4.000 3.600 4.400 .120 <t< td=""><td>GUIDELINE = 50 (A3)</td></t<>	GUIDELINE = 50 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT	5.900 4.700 5.300 5.400 3.600 1.800 .530 .260))))))))) (4.100 5.000 .900 .350 <t 7.000</t 	4.000 3.600 4.400 .120 <t .270 <t 6.000</t </t 	GUIDELINE = 50 (A3)
JAN FEB MAR APR MAY JUN JUL AUG SEP	5.900 4.700 5.300 5.400 3.600 1.800 .530 .260))))))))) () () () ()	4.100 5.000 .900 .350 <t< td=""><td>4.000 3.600 4.400 .120 <t< td=""><td>GUIDELINE = 50 (A3)</td></t<></td></t<>	4.000 3.600 4.400 .120 <t< td=""><td>GUIDELINE = 50 (A3)</td></t<>	GUIDELINE = 50 (A3)

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

		STANDING	FREE FLOW	_
MOLYBDENUM (U	IG/L)		DET'N LIMIT = 0.05	GUIDELINE = N/A
JAN	.400 <t< td=""><td>.380 <t< td=""><td>.390 <t< td=""><td></td></t<></td></t<></td></t<>	.380 <t< td=""><td>.390 <t< td=""><td></td></t<></td></t<>	.390 <t< td=""><td></td></t<>	
FEB	.350 <t< td=""><td>.310 <t< td=""><td>.290 <t< td=""><td></td></t<></td></t<></td></t<>	.310 <t< td=""><td>.290 <t< td=""><td></td></t<></td></t<>	.290 <t< td=""><td></td></t<>	
MAR	.360 <t< td=""><td></td><td></td><td></td></t<>			
APR	.340 <t< td=""><td>.360 <t< td=""><td>.290 <t< td=""><td></td></t<></td></t<></td></t<>	.360 <t< td=""><td>.290 <t< td=""><td></td></t<></td></t<>	.290 <t< td=""><td></td></t<>	
MAY	.220 <t< td=""><td></td><td></td><td></td></t<>			
JUN	.230 <t< td=""><td>::</td><td></td><td></td></t<>	: :		
JUL	.210 <t< td=""><td></td><td>•</td><td></td></t<>		•	
AUG	.230 <t< td=""><td>.240 <t< td=""><td>.180 <t< td=""><td></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.180 <t< td=""><td></td></t<></td></t<>	.180 <t< td=""><td></td></t<>	
SEP	.270 <t< td=""><td></td><td></td><td></td></t<>			
		.280 <t< td=""><td>.230 <t< td=""><td></td></t<></td></t<>	.230 <t< td=""><td></td></t<>	
OCT	.150 <t< td=""><td>.470 <t< td=""><td>.440 <t< td=""><td></td></t<></td></t<></td></t<>	.470 <t< td=""><td>.440 <t< td=""><td></td></t<></td></t<>	.440 <t< td=""><td></td></t<>	
NOV	.240 <t< td=""><td>.180 <t< td=""><td>.200 <t< td=""><td></td></t<></td></t<></td></t<>	.180 <t< td=""><td>.200 <t< td=""><td></td></t<></td></t<>	.200 <t< td=""><td></td></t<>	
DEC	.120 <t< td=""><td>.410 <t< td=""><td>.400 <t< td=""><td></td></t<></td></t<></td></t<>	.410 <t< td=""><td>.400 <t< td=""><td></td></t<></td></t<>	.400 <t< td=""><td></td></t<>	
NICKEL (UG/L)		DET'N LIMIT = 0.20	GUIDELINE = 350 (D3)
MAL	. BDL	BDL	BDL	
FEB	BDL	12.000	BDL	
MAR	BDL	•		
APR	BDL	150.000	BDL	
MAY	BDL	***	0€	
JUN	BDL	₩ 5	!# `	
JUL	BOL	•	ч.	
AUG	BOL	3.100	BDL	
SEP	BOL	BDL	BDL	
OCT	BOL	BDL	BDL	
NOV	BDL	BDL	BDL	
DEC	BDL	BDL	BDL	
LEAD (UG/L)		DET'N LIMIT = 0.05	GUIDELINE = 10. (A1)
JAN	.700	18.000	.580	
FEB	.470 <t< td=""><td>3.100</td><td>.410 <t< td=""><td></td></t<></td></t<>	3.100	.410 <t< td=""><td></td></t<>	
MAR	.390 <t< td=""><td>-</td><td></td><td></td></t<>	-		
APR	.320 <t< td=""><td>4.700</td><td>.410 <t< td=""><td></td></t<></td></t<>	4.700	.410 <t< td=""><td></td></t<>	
MAY	.310 <t< td=""><td>W</td><td>529</td><td></td></t<>	W	529	
JUN	.250 <t< td=""><td>• N</td><td>O</td><td></td></t<>	• N	O	
JUL	.150 <t< td=""><td></td><td>Ver</td><td></td></t<>		Ver	
AUG	.990	8.800	.620	
SEP	.210 <t< td=""><td>2.800</td><td>.460 <t< td=""><td></td></t<></td></t<>	2.800	.460 <t< td=""><td></td></t<>	
OCT	.260 <t< td=""><td>3.200</td><td>.510</td><td></td></t<>	3.200	.510	
NOV DEC	.110 <t .200 <t< td=""><td>2.400 3.200</td><td>.490 <t .490 <t< td=""><td></td></t<></t </td></t<></t 	2.400 3.200	.490 <t .490 <t< td=""><td></td></t<></t 	
ANTIMONY (UG/	L)		DET'N LIMIT = 0.05	GUIDELINE = 146 (D4)
JAN	.370 <t< td=""><td>.380 <t< td=""><td>.300 <t< td=""><td></td></t<></td></t<></td></t<>	.380 <t< td=""><td>.300 <t< td=""><td></td></t<></td></t<>	.300 <t< td=""><td></td></t<>	
	.430 <t< td=""><td>14.000</td><td>7.800</td><td></td></t<>	14.000	7.800	
FEB		14.000	7.800	
MAR	.290 <t< td=""><td>. 200</td><td>7/0</td><td></td></t<>	. 200	7/0	
APR	.380 <t< td=""><td>8.200</td><td>.340 <t< td=""><td></td></t<></td></t<>	8.200	.340 <t< td=""><td></td></t<>	
MAY	.280 <t< td=""><td>¹²</td><td></td><td></td></t<>	¹²		
	.320 <t< td=""><td>•</td><td></td><td></td></t<>	•		
JUN	.230 <t< td=""><td>an and a second</td><td></td><td></td></t<>	an and a second		
JUL			.120 <t< td=""><td></td></t<>	
JUL AUG	.270 <t< td=""><td>.510</td><td></td><td></td></t<>	.510		
JUL	.270 <t .250 <t< td=""><td>.510 .230 <t< td=""><td>.140 <t< td=""><td></td></t<></td></t<></td></t<></t 	.510 .230 <t< td=""><td>.140 <t< td=""><td></td></t<></td></t<>	.140 <t< td=""><td></td></t<>	
JUL AUG	.270 <t< td=""><td></td><td>.140 <t< td=""><td></td></t<></td></t<>		.140 <t< td=""><td></td></t<>	
JUL Aug Sep	.270 <t .250 <t< td=""><td>.230 <t< td=""><td></td><td></td></t<></td></t<></t 	.230 <t< td=""><td></td><td></td></t<>		

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

			STANDING	FREE FLOW	
SELENIUM	(UG/L)		DET'N LIMIT = 1.00	GUIDELINE = 10 (A1)
JAN	BD	L	BDL	BDL	
FEB	BD		1.100 <t< td=""><td>BDL</td><td></td></t<>	BDL	
MAR	BD				
APR	1.60		1.700 <t< td=""><td>BDL</td><td></td></t<>	BDL	
MAY	BD				
JUN	BD		::•··		
JUL	BD			-	
AUG	BD		BOL	BDL	
SEP	BD		BDL	BDL	
OCT	BD		BDL	BDL	
NOV	BD		BDL	BDL	
DEC	BD		1.100 <t< td=""><td>BOL</td><td></td></t<>	BOL	
TRONTIUN	(UG/L	·)		DET'N LIMIT = 0.10	GUIDELINE = N/A
JAN	200.00		200.000	200.000	
FEB	180.00		170.000	170.000	
MAR	180.00		•		
APR	180.00		180.000	180.000	
MAY	200.00		(*)		
JUN	170.00		•	•	
JUL	180.00		*		
AUG	190.00		190.000	190.000	'' @
SEP	190.00		170.000	170.000	
OCT	180.00		200.000	190.000	
NOV	180.00		180.000	180.000	
DEC	200.00	0	200.000	190.000	
MUINATI	(UG/L)	25	DET'N LIMIT = 0.50	GUIDELINE = N/A
JAN	11.00	0	13.000	12.000	
FEB	15.00		15.000	15.000	
MAR	16.00		10.50.00 (0.00)	er starokotsta	
APR	16.00		17.000	18.000	
MAY	27.00		-	MATERIA E	
JUN	30.00		8 = 10		
JUL	19.00		9=2/ 24e25		
AUG	25.00		28.000	27.000	
SEP	28.00		28.000	26.000	
OCT	18.00		22.000	21.000	
NOV	16.00		17.000	17.000	
DEC	27.00		28.000	23.000	
JRANIUM ((UG/L)		DET'N LIMIT = 0.05	GUIDELINE = 100 (A1)
JAN	.96	n	1.000	.930	
FEB	.90		.880	.860	
MAR	.85	Ď			
APR	.88	i	1.100	.970	
MAY	.890	ń		.710	
JUN	.810		§ *	•	
JUN	.940		363	•	
			.740	.780	
JUL	90/		.740	.700	
JUL AUG	.800		910	020	
JUL AUG SEP	.900)	.810	.820	
JUL AUG SEP OCT	.900))	1.400	1.500	
JUL AUG SEP	.900)))		.820 1.500 .880 1.300	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

			STAN	ING	FREE	FLOW		
VANADIUM (U	G/L)			DET'N LIMIT =	0.05	GUIDELINE = N/A	
JAN	.800		.770		.750			
FEB	.780		.830		.860			
MAR	.490	<t< td=""><td>-</td><td></td><td>-</td><td></td><td></td><td></td></t<>	-		-			
APR	.580		.480	<t< td=""><td>.490</td><td><t< td=""><td></td><td></td></t<></td></t<>	.490	<t< td=""><td></td><td></td></t<>		
MAY	.490			100		i i i i i i i i i i i i i i i i i i i		
JUN	.540				級 公 金			
JUL	.540		11/45		· · · · · · · · · · · · · · · · · · ·		¥3)	
AUG	.500	<t< td=""><td>.490</td><td><t< td=""><td>.460</td><td><1</td><td></td><td></td></t<></td></t<>	.490	<t< td=""><td>.460</td><td><1</td><td></td><td></td></t<>	.460	<1		
SEP	.350		.300		.290			
OCT	.360		.390		.370			
NOV	.330		.350		.390			
DEC	.430		.390		.280	1020		
ZINC (UG/L)				DET'N LIMIT =	0.20	GUIDELINE = 5000	(A3)
JAN	980	<⊺	14.000		1.300	<t< td=""><td></td><td></td></t<>		
FEB	1.200	<t< td=""><td>10.000</td><td></td><td>1.500</td><td><t< td=""><td></td><td></td></t<></td></t<>	10.000		1.500	<t< td=""><td></td><td></td></t<>		
MAR	1.500		10.20.00 to 20.20.					
APR	1.100	<t< td=""><td>16.000</td><td></td><td>1.400</td><td><t< td=""><td></td><td></td></t<></td></t<>	16.000		1.400	<t< td=""><td></td><td></td></t<>		
MAY	1.500	<1	A STATE OF THE STA					
JUN	1.400	<t< td=""><td>**************************************</td><td></td><td></td><td></td><td></td><td></td></t<>	**************************************					
JUL	.980							
AUG	.980		11.000		1.700	<1		
SEP	.950		6.700		1.100	<1		
OCT	1.300		10.000		1.200			
NOV	1.700		11.000		2.200	10800 12		
DEC	.690	<t< td=""><td>9.400</td><td></td><td>.620</td><td><7</td><td></td><td></td></t<>	9.400		.620	<7		

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

		STANDING	FREE FLOW	D* 080	
	PHENOLICS				
PHENOLICS	(UG/L)		DET'N LIMIT = .200	GUIDELINE = 2	(A4)
JAN	BDL	¥	s sign		2
FEB	BDL		•		38
MAR	BDL				
APR	BDL	•			
MAY	BDL				
JUN	! NR	W	N 18		52
JUL	BDL		18 8 0		
AUG	BDL		720		
SEP	BDL	≅ ≅	100 miles		
OCT	BDL	(4) (2)			
NOV	BDL		**************************************		
DEC	.800 <t< td=""><td></td><td>•</td><td></td><td></td></t<>		•		

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

RAW WELL

DISTRIBUTION SYSTEM

RAW 3

			STANDING	FRE	E FLOW	tanan		
	VO	LATILES						
BENZENE				DET'N LIMIT =	0.05		GUIDELINE = !	5 (A1)
JAN	BDL		2	BDL				
FEB	BDL		⊼ ⊊	BDL				
MAR	.100	2 T	•					
APR		2.0		001				
	BDL			BDL				
MAY	BDL		- C	•				
JUN	BOL			(6)				
JUL	BOL		•					
AUG	BOL		1.	BDL				
SEP	BDL		±1 19 € 2	BDL				
OCT	BDL			BDL				
NOV	BDL		(C#)	BDL				
DEC	BDL		0.	BDL				
ETHYLBEN	ZENE (UG/L)		DET'N LIMIT =	0.05		GUIDELINE = 2	2.4 (A3)
JAN	BDL		· ",	BDL				
FEB	BDL		0.50	BDL				
MAR	. 150	<t< td=""><td>1,50</td><td></td><td></td><td></td><td></td><td></td></t<>	1,50					
APR	.050			BDL				
MAY		>1	2.45	BUL	143			
	BDL	. T	•	8 8				
JUN	.100	< i	•					
JUL	BDL	W-40		Maska Marka				
AUG	.100	<1	()	BDL				
SEP	BDL		7(0)	BDL				
OCT	.050		3 m	BDL				
NOV	.100	<t< td=""><td></td><td>.050</td><td><t< td=""><td></td><td></td><td></td></t<></td></t<>		.050	<t< td=""><td></td><td></td><td></td></t<>			
DEC	BDL		•	.100	<t< td=""><td></td><td></td><td></td></t<>			
STYRENE	(UG/L)			DET'N LIMIT =	0.05		GUIDELINE =	100 (D1)
JAN	BDL			BDL				
FEB	.050	<t< td=""><td>\$4.1</td><td>.050</td><td><t< td=""><td></td><td></td><td></td></t<></td></t<>	\$ 4 .1	.050	<t< td=""><td></td><td></td><td></td></t<>			
MAR	.200							
APR	BDL	•1	*	BD.				
			•	BDL				
MAY	BDL	-	•	85 B				
JUN	.200 -	<1		•				
JUL	BDL							
AUG	.150 -		(= A)	BDL				
SEP	.050 -			BDL	© #			11/2
OCT	.100 -	<⊺	***	BDL				
NOV	.150 -	<t< td=""><td>₩)</td><td>BDL</td><td></td><td></td><td></td><td></td></t<>	₩)	BDL				
DEC	.050	<₹		.100	<1			
CHLOROFO	RM (UG/L)		DET'N LIMIT =	0.10		GUIDELINE = 3	50 (A1+)
JAN	BDL		\$# *	1.500				
FEB	BDL		E	1.700				
MAR	BDL							
APR	BDL		®	.800	- T			
				.000	~ 1			
MAY	BDL							
JUN	BDL		• *					
JUL	BDL		*					
ALIC	BDL			1.000	<1			
AUG	1100000000			1.600				
SEP	BDL							
SEP				.800	<1			
SEP OCT	BDL			.800	<1			
SEP				.800 1.200 1.500	<1			

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

		STANDING	FREE	FLOW	
11, TRICHLOROETHAN	E (UG/L)		DET'N LIMIT =	0.02	GUIDELINE = 200 (D1)
JAN BDL			BDL		
FEB BOL			BDL		
MAR BOL		1-20 0-20			
APR .020		S	BDL		
MAY BOL		**	000		
JUN .120		•	*		
			\$		
JUL BOL		•			
AUG BDL			BDL		
SEP BDL			BDL		
OCT BOL		VS)	BDL		
NOV BOL		5 ● 0	.040	<t< td=""><td></td></t<>	
DEC BOL			BDL		
ICHLOROBROMOMETHAN	E (UG/L)	0	DET'N LIMIT =	0.05	GUIDELINE = 350 (A1+
JAN · BDL		(a)	1.650		
FEB BDL		•	1.700		
MAR BDL				됮	
APR BDL		•	.800		
MAY BOL			_		
JUN BOL					
JUL BDL		•0	•		
		•	4 950		
AUG BDL			1.850		
SEP BDL		•	2.450		
OCT BDL		•	.850		
NOV BDL		•	1.950		
DEC BDL					
			1.600		
HLOROD I BROMOMETHAN		•	DET'N LIMIT =	0.10	GUIDELINE = 350 (A1+
HLORODIBROMOMETHANI JAN BDL		· · · · · · · · · · · · · · · · · · ·	DET'N LIMIT =	0.10	GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL			DET'N LIMIT =	0.10	GUIDELINE = 350 (A1+
HLORODIBROMOMETHANI JAN BDL FEB BDL MAR BDL			DET'N LIMIT = 2.300 1.400		GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL			DET'N LIMIT =		GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL MAY BDL			DET'N LIMIT = 2.300 1.400		GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL MAY BDL JUN BDL			DET'N LIMIT = 2.300 1.400		GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL MAY BDL			DET'N LIMIT = 2.300 1.400		GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BOL APR BOL JUN BDL JUN BDL JUL BDL			DET'N LIMIT = 2.300 1.400 .700		GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL MAY BDL JUN BDL JUN BDL JUL BDL AUG BDL			DET'N LIMIT = 2.300 1.400 .700		GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL MAY BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL			DET'N LIMIT = 2.300 1.400 .700 .2.500 2.600	∢1	GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL MAY BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL			DET'N LIMIT = 2.300 1.400 .700 2.500 2.600 .600	∢1	GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL MAY BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL			DET'N LIMIT = 2.300 1.400 .700 .2.500 2.600	∢1	GUIDELINE = 350 (A1+
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BOL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL			2.300 1.400 .700 2.500 2.600 .600 2.200	<t <t< td=""><td>GUIDELINE = 350 (A1+</td></t<></t 	GUIDELINE = 350 (A1+
HLORODIBROMOMETHANI JAN BDL FEB BDL MAR BDL APR BOL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL			2.300 1.400 .700 2.500 2.600 .600 2.200 1.100	<t <t 0.20</t </t 	
HLORODIBROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L			2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT =	<t <t 0.20 <t< td=""><td></td></t<></t </t 	
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL BDL BDL			2.300 1.400 .700 2.500 2.600 .600 2.200 1.100	<t <t 0.20 <t< td=""><td></td></t<></t </t 	
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL MAY BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL MAR BDL			2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT =	<t <t 0.20 <t< td=""><td></td></t<></t </t 	
HLORODIBROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL JUN BDL JUN BDL JUL BDL AUG BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL MAR BDL APR BDL			2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT =	<t <t 0.20 <t< td=""><td></td></t<></t </t 	
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL FEB BDL FEB BDL AND BDL AND BDL AND BDL			2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT =	<t <t 0.20 <t< td=""><td></td></t<></t </t 	
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL MAR BDL APR BDL APR BDL MAY BDL JUN BDL JUN BDL JUN BDL			2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT =	<t <t 0.20 <t< td=""><td></td></t<></t </t 	
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL APR BDL JUN BDL JUN BDL JUN BDL JUN BDL			2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT =	<t 0.20="" <t="" <t<="" td=""><td></td></t>	
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL MAR BDL APR BDL MAR BDL APR BDL JUN BDL JUN BDL JUN BDL AUG BDL AUG BDL			DET'N LIMIT = 2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT = .400 .400 .BDL	<t 0.20="" <t="" <t<="" td=""><td></td></t>	
HLORODIBROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL APR BDL APR BDL APR BDL APR BDL MAY BDL JUN BDL JUN BDL JUN BDL BOL BOL BOL BOL BOL BOL BOL			2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT =	<t 0.20="" <t="" <t<="" td=""><td></td></t>	
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BOL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL MAR BDL APR BDL APR BDL JUL APR BDL JUL BDL APR BDL JUL BDL APR BDL APR BDL APR BDL APR BDL APR BDL JUL BDL AUG BDL SEP BDL			DET'N LIMIT = 2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT = .400 .400 .800 .800 1.000	<t 0.20="" <t="" <t<="" td=""><td></td></t>	
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BOL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL MAR BDL APR BDL APR BDL APR BDL JUL APR BDL APR BDL APR BDL APR BDL APR BDL APR BDL JUN BDL JUN BDL JUN BDL JUL BDL AUG BDL SEP BDL SEP BDL OCT BDL			DET'N LIMIT = 2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT = .400 .400 .800 1.000 BDL	<t 0.20="" <t="" <t<="" td=""><td></td></t>	
HLOROD I BROMOMETHANI JAN BDL FEB BDL MAR BDL APR BDL JUN BDL JUL BDL AUG BDL SEP BDL OCT BDL NOV BDL DEC BDL ROMOFORM (UG/L JAN BDL FEB BDL MAR BDL APR BDL MAR BDL APR BDL JUN BDL JUN BDL JUN BDL JUN BDL JUN BDL JUN BDL AUG BDL APR BDL APR BDL AUG BDL JUN BDL JUN BDL JUN BDL JUN BDL JUN BDL JUN BDL AUG BDL SEP BDL			DET'N LIMIT = 2.300 1.400 .700 2.500 2.600 .600 2.200 1.100 DET'N LIMIT = .400 .400 .800 .800 1.000	<t <<="" <t="" td=""><td></td></t>	

TABLE 5
DRINKING WATER SURVEILLANCE PROGRAM JOHNSON ST WELL, BARRIE 1990

DISTRIBUTION SYSTEM

RAW 3

SITE 1

		STANDING	FREE FLOW	
OTAL TRIHA	LOMETHANES (UG/L)	DET'N LIMIT = 0.50	GUIDELINE = 350 (A1
JAN	BDL	:a : a •:	5.800	
FEB	BOL	300	5.300	
MAR	BDL	9#3	<u> </u>	
APR	BDL	•	2.300 <t< td=""><td></td></t<>	
MAY	BDL	*	= = = = = = = = = = = = = = = = = = =	
JUN	BDL	· · · · · · · · · · · · · · · · · · ·		
JUL	BDL	180 180	<u> </u>	
AUG	BDL	VE3	6.150	
SEP	BDL	····	7.600	
OCT	BDL	7 - 0	2.300 <t< td=""><td></td></t<>	
NOV	BDL		6.150	
DEC	BDL	(a) (b)	4.450 <t< td=""><td></td></t<>	

TRACE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

TABLE 6 DRINKING WATER SURVEILLANCE PROGRAM 1990

		DETECTION	
SCAN/PARAMETER	UNIT	LIMIT	GUIDELINE
	••••		
BACTERIOLOGICAL			
		72.7	2 S
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0 (A1)
STANDARD PLATE COUNT MEMBRANE FILT.	CT/ML	0	500/ML (A3)
TOTAL COLIFORM BACKGROUND MF TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	N/A
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	U	5/100ML (A1)
CHEMISTRY (FLD)			
CHEMISTRY (TES)			
FIELD COMBINED CHLORINE RESIDUAL	MG/L	0	N/A
FIELD TOTAL CHLORINE RESIDUAL	MG/L	Ō	N/A
FIELD FREE CHLORINE RESIDUAL	MG/L	Ö	N/A
FIELD PH	DMNSLESS	N/A	6.5-8.5 (A3)
FIELD TEMPERATURE	DEG.C	N/A	15.0 (A3)
FIELD TURBIDITY	FTU	N/A	1.0 (A1)
CHEMISTRY (LAB)			
VIDEO NO DE CONTRA DE CONT	New Yorks (Name)	Wat res	
ALKALINITY	MG/L	2000 (2000)	30-500 (A3)
AMMONIUM TOTAL	MG/L	0.002	0.05 (F2)
CALCIUM	MG/L	0.2	100 (F2)
CHLORIDE	MG/L	0.2	250 (A3)
COLOUR	TCU UMHO/CM	0.5	5.0 (A3) 400 (F2)
CYANIDE	MG/L	1.0 0.001	400 (F2) 0.2 (A1)
DISSOLVED ORGANIC CARBON	MG/L	0.1	5.0 (A3)
FLUORIDE	MG/L	0.01	2.4 (A1)
HARDNESS	MG/L	277,527,77	80-100 (A4)
LANGELIERS INDEX	DMNSLESS	N/A	N/A
MAGNESIUM	MG/L	0.1	30.0 (F2)
NITRITE	MG/L	0.001	1.0 (A1)
NITROGEN TOTAL KJELDAHL	MG/L	0.02	N/A
PH	DMNSLESS	N/A	6.5-8.5 (A4)
PHOSPHORUS FIL REACT	MG/L	0.0005	N/A
PHOSPHORUS TOTAL	MG/L	0.002	0.4 (F2)
SODIUM	MG/L	0.2	200 (A4)
SULPHATE	MG/L	0.2	500 (A3)
TOTAL NITRATES	MG/L	0.005	10.0 (A1)
TURBIDITY	FTU	0.05	1.0 (A1)
CIII ODGADGWATICG			
CHLOROAROMATICS			
123 TRICHLOROBENZENE	NG/L	5.0	N/A
1234 TETRACHLOROBENZENE	NG/L	1.0	N/A
1235 TETRACHLOROBENZENE	NG/L	1.0	N/A
124 TRICHLOROBENZENE	NG/L	5.0	10000 (1)
1245-TETRACHLOROBENZENE	NG/L	1.0	38000 (D4)
135 TRICHLOROBENZENE	NG/L	5.0	N/A
236 TRICHLOROTOLUENE	NG/L	5.0	N/A
245 TRICHLOROTOLUENE	NG/L	5.0	N/A
26A TRICHLOROTOLUENE	NG/L	5.0	N/A
HEXACHLOROBENZENE	NG/L	1.0	10 (C1)
HEXACHLOROBUTAD I ENE	NG/L	1.0	450 (D4)
HEXACHLOROCYCLOPENTADIENE	NG/L	5.0	206000 (D4)
HEXACHLOROETHANE	NG/L	1.0	1900 (D4)
OCTACHLOROSTYRENE	NG/L	1.0	N/A
PENTACHLOROBENZENE	NG/L	1.0	74000 (D4)
CHLOROPHENOLS			
27/ 701000 000000000	No.41	400.0	\$1.7 kg
234 TRICHLOROPHENOL	NG/L	100.0	N/A
2345 TETRACHLOROPHENOL 2356 TETRACHLOROPHENOL	NG/L	20.0 10.0	N/A
2330 TETRAUNLUKUPHENUL	NG/L	10.0	N/A

TABLE 6 DRINKING WATER SURVEILLANCE PROGRAM 1990

		DETECTION	
SCAN/PARAMETER	UNIT	LIMIT	GUIDELINE
245 TRICHLOROPHENOL	NG/L	100.0	2600000 (D4)
246 TRICHLOROPHENOL	NG/L	20.0	5000 (A1)
PENTACHLOROPHENOL	NG/L	10.0	60000 (A1)
METALS			
ALUMINUM	UG/L	0.10	100 (A4)
ANTIMONY ARSENIC	UG/L UG/L	0.05 0.10	146 (D4) 25 (A1)
BARIUM	UG/L	0.10	1000 (A2)
BERYLLIUM	UG/L	0.05	6800 (D4)
BORON	UG/L	2.00	5000 (A1)
CADMIUM	UG/L	0.05	5 (A1)
CHROMIUM	UG/L	0.50	50 (A1)
COBALT	UG/L UG/L	0.02 0.50	N/A 1000 (A3)
IRON	UG/L	6.00	300 (A3)
LEAD	UG/L	0.05	10 (A1)
MANGANESE	UG/L	0.05	50 (A3)
MERCURY	UG/L	0.02	1 (A1)
MOLYBDENUM	UG/L	0.05	N/A
NICKEL SELENIUM	UG/L UG/L	0.20 1.00	350 (D3) 10 (A1)
SILVER	UG/L	0.05	50 (A1)
STRONTIUM	UG/L	0.10	N/A
THALLIUM	UG/L	0.05	13 (D4)
TITANIUM	UG/L	0.50	N/A
URANIUM	UG/L	0.05	100 (A1)
VANADIUM ZINC	UG/L UG/L	0.05 0.20	N/A 5000 (A3)
PAH	00,0	0.20	3000 (A3)
ANTHRACENE	NC /I	1.0	VA
BENZO(A) ANTHRACENE	NG/L NG/L	20.0	N/A N/A
BENZO(A) PYRENE	NG/L	5.0	10.0 (A1)
BENZO(B) CHRYSENE	NG/L	2.0	N/A
BENZO(B) FLUORANTHENE	NG/L	10.0	N/A
BENZO(E) PYRENE	NG/L	50.0	N/A
BENZO(G,H,I) PERYLENE BENZO(K) FLUORANTHENE	NG/L NG/L	20.0 1.0	N/A N/A
CHRYSENE	NG/L	50.0	N/A
CORONENE	NG/L	10.0	N/A
DIBENZO(A,H) ANTHRACENE	NG/L	10.0	N/A
DIMETHYL BENZO(A) ANTHRACENE	NG/L	5.0	N/A
FLUORANTHENE INDENO(1,2,3-C,D) PYRENE	NG/L	20.0 20.0	42000.0 (D4)
PERYLENE	NG/L NG/L	10.0	N/A N/A
PHENANTHRENE	NG/L	10.0	N/A
PYRENE	NG/L	20.0	N/A
PESTICIDES & PCB			
ALACHLOR (LASSO)	NG/L	500.0	5000 (A2)
ALDRIN	NG/L	1.0	700 (A1)
ALPHA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	700 (G)
ALPHA CHLORDANE AMETRINE	NG/L NG/L	2.0	7000 (A1) 300000 (D3)
ATRATONE	NG/L	50.0 50.0	N/A
ATRAZINE	NG/L	50.0	60000 (A2)
DES ETHYL ATRAZINE	NG/L	200.0	60000 (A2)
BETA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0	300 (G)
CYANAZINE (BLADEX)	NG/L	100.0	10000 (A2)
O,P-DDD DIELDRIN	NG/L NG/L	5.0 2.0	10 (I) 700 (A1)
ENDOSULFAN 1 (THIODAN I)	NG/L	2.0	74000 (D4)
ENDOSULFAN 2 (THIODAN II)	NG/L	5.0	74000 (D4)

TABLE 6 DRINKING WATER SURVEILLANCE PROGRAM 1990

		DETECTION		
SCAN/PARAMETER	UNIT	LIMIT	GUIDELI	IE .
FURNOUS FAM ON BULLET (THERE AN AND AND AND AND AND AND AND AND AND				
ENDOSULFAN SULPHATE (THIODAN SULPHATE) ENDRIN	NG/L	5.0	N//	
GAMMA CHLORDANE	NG/L NG/L	5.0 2.0		(D3) (A1)
HEPTACHLOR	NG/L	1.0		(A1)
HEPTACHLOR EPOXIDE	NG/L	1.0		(A1)
LINDANE (GAMMA BHC)	NG/L	1.0	4000	(A1)
METHOXYCHLOR	NG/L	5.0	900000	
METOLACHLOR METRIBUZIN (SENCOR)	NG/L	500.0		(A2)
MIREX	NG/L NG/L	100.0 5.0	N/A	(A1)
P,P-DDD	NG/L	5.0	N/A	
O,P-DDT	NG/L	5.0		(A1)
OXYCHLORDANE	NG/L	2.0	N/A	
PCB	NG/L	20.0		(A2)
PPDDE	NG/L	1.0		(A1)
PPDDT PROMETONE	NG/L	5.0	30000	
PROMETRYNE	NG/L NG/L	50.0 50.0		(D3)
PROPAZINE	NG/L	50.0	700000	(A2)
SIMAZINE	NG/L	50.0		(A2)
D-ETHYL SIMAZINE	NG/L	200.0		(A2)
TOXAPHENE	NG/L	500.0		(A1)
				37777
PHENOLICS				
PHENOLICS (UNFILTERED REACTIVE)	UG/L	0.2	- 2	(A4)
SPECIFIC PESTICIDES				
2,4 D PROPIONIC ACID	NG/L	100.	N/A	
2,4,5-TRICHLOROPHENOXY ACETIC ACID	NG/L	50.	280000	
2,4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L	100.	100000	
24-DICHLORORPHENOXYBUTYRIC ACID (24-DB)	NG/L	200.	18000	
BUTYLATE (SUTAN)	NG/L	2000.	245000	
CARBARYL (SEVIN) CARBOFURAN	NG/L	200.	90000	2.252.101195
CHLORPYRIFOS (DURSBAN)	NG/L NG/L	2000. 20.	90000	(A1)
CICP (CHLORPROPHAM)	NG/L	2000.	N/A 350000	(G)
DIALLATE	NG/L	2000.	N/A	(0)
DIAZINON	NG/L	20.	20000	(A1)
DICAMBA	NG/L	50.	120000	
DICHLOROVOS	NG/L	20.	N/A	
EPTAM	NG/L	2000.	N/A	
ETHION IPC	NG/L	20.	35000	(G)
MALATHION	NG/L	2000.	N/A	
METHYL PARATHION	NG/L NG/L	20. 50.	190000	
METHYLTRITHION	NG/L	20.	N/A	(B3)
MEVINPHOS	NG/L	20.	N/A	
PARATHION	NG/L	20.	50000	(A1)
PHORATE (THIMET)	NG/L	20.	2000	
PROPOXUR (BAYGON)	NG/L	2000.	140000	
RELDAN	NG/L	20.	N/A	
RONNEL STLVEY (2 / E-TD)	NG/L	20.	N/A	
SILVEX (2,4,5-TP)	NG/L	20.	10000	(A1)
VOLATILES				
1,1 DICHLOROETHANE	UG/L	0.10	N/A	
1,1 DICHLOROETHYLENE	UG/L	0.10	7	(D1)
1,2 DICHLOROBENZENE	UG/L	0.05	200	(A1)
1,2 DICHLOROETHANE	UG/L	0.05	5	(A1)

TABLE 6
DRINKING WATER SURVEILLANCE PROGRAM 1990

SCAN/PARAMETER	UNIT	DETECTION	GUIDELI	NE	
SOMMY PARAMETER	ONII	C27121	GOIDELI	N.C.	
1,2 DICHLOROPROPANE	UG/L	0.05	5	(D1)	
1,3 DICHLOROBENZENE				770-000-000-000-000-000-000-000-000-000	
1,4 DICHLOROBENZENE	UG/L		5		
	UG/L				
111, TRICHLOROETHANE	UG/L	0.02			
112 TRICHLOROETHANE	UG/L	0.05		6 (D4)	
1122 TETRACHLOROETHANE	UG/L	0.05		17(D4)	
BENZENE	UG/L		5		
BROMOFORM	UG/L		350		
CARBON TETRACHLORIDE	UG/L		5		
CHLOROBENZENE	UG/L		1510		
CHLORODIBROMOMETHANE	UG/L	0.10		(A1+)	
CHLOROFORM	UG/L	0.10	350	(A1+)	
DICHLOROBROMOMETHANE	UG/L	0.05	350	(A1+)	
ETHLYENE DIBROMIDE	UG/L	0.05	50	(D1)	
ETHYLBENZENE	UG/L	0.05	2.	4 (A3)	
M-XYLENE	UG/L	0.10	300	(A3*)	
METHYLENE CHLORIDE	UG/L	0.50	50	(A1)	
O-XYLENE	UG/L	0.05	300	(A3*)	
P-XYLENE	UG/L	0.10		(A3*)	
STYRENE	UG/L	0.05	100	(D1)	
TETRACHLOROETHYLENE	UG/L	0.05	5	(D1)	
TRANS 1,2 DICHLOROETHYLENE	UG/L	0.10	70	(D1)	
TOLUENE	UG/L	0.05		(A3)	
TOTAL TRIHALOMETHANES	UG/L	0.50			
TRICHLOROETHYLENE	UG/I	0.10	50	(A1)	

DRINKING WATER SURVEILLANCE PROGRAM PROGRAM DESCRIPTION

The Drinking Water Surveillance Program (DWSP) for Ontario monitors drinking water quality at municipal water supply systems. The DWSP Database Management System provides a computerized drinking water quality information system for the supplies monitored. objectives of the program are to provide:

- immediate, reliable, current information on drinking water

quality;

- a flagging mechanism for guideline exceedance;
- a definition of contaminant levels and trends;
- a comprehensive background for remedial action;
- a framework for assessment of new contaminants; and
- an indication of treatment efficiency of plant processes.

PROGRAM

The DWSP officially began in April 1986 and is designed to eventually include all municipal water supplies in Ontario. In 1990, 76 systems were being monitored. Water supply locations have been prioritized for surveillance based primarily on criteria such density, probability of contamination population geographical location.

An ongoing assessment of future monitoring requirements at each location will be made. Monitoring will continue at the initial locations at an appropriate level and further locations will be phased into the program as resources permit.

A major goal of the program is to collect valid water quality data in context with plant operational characteristics at the time of sampling. As soon as sufficient data have been accumulated and analyzed, both the frequency of sampling and the range of parameters may be adjusted accordingly.

Assessments are carried out at all locations prior to initial sampling, in order to acquire complete plant process and distribution system details and to designate (and retrofit if necessary) all sampling systems and locations. This ensures that the sampled water is a reflection of the water itself.

Samples are taken of raw (ambient water) and treated water at the treatment plant and of consumer's tap water in the distribution system. In order to determine possible effects of distribution on water quality, both standing and free flow water in old and new sections of the distribution system are sampled. Sampling is carried out by operational personnel who have been trained in applicable procedures.

Comprehensive standardized procedures and field test kits are supplied to sampling personnel. This ensures that samples are taken and handled according to standard protocols and that field testing will supply reliable data. All field and laboratory analyses are carried out using "approved documented procedures". Most laboratory analyses are carried out by the Ministry of Environment (MOE), Laboratory Services Branch. Radionuclides are analyzed by the Ministry of Labour.

DATA REPORTING MECHANISM

When the analytical results are transferred from the MOE laboratory into the DWSP system, printouts of the completed analyses are sent to the MOE District Officer, the appropriate operational staff and are also retained by the DWSP unit.

PROGRAM INPUTS AND OUTPUTS

There are four major inputs and four major outputs in the program.

Program Input - Plant and Distribution System Description

The system description includes plant specific non-analytical information acquired through a questionnaire and an initial plant visit. During the initial assessment of the plant and distribution system, questionnaire content is verified and missing information added. It is intended that all data be kept current with scheduled annual updates.

The Plant and Distribution System Description consists of the following seven components:

1. PROCESS COMPONENT INVENTORY

All physical and chemical processes to which the water is subjected, from the intake pipe to the consumers' tap (where possible), are documented. These include: process type, general description of physical structures, material types, sizes, and retention time for each process within the plant. The processes may be as simple as transmission or as complex as carbon adsorption.

2. TREATMENT CHEMICALS

Chemicals used in the treatment processes, their function, application point, supplier and brand-name are recorded. Chemical dosages applied on the day of sampling are recorded in DWSP.

3. PROCESS CONTROL MEASUREMENTS

Documentation of in-plant monitoring of process parameters (eg. turbidity, chlorine residuals, pH, aluminum residuals) including methods used, monitoring locations and frequency is contained in this section. Except for the recorded Field Data, in-plant monitoring results are not retained in DWSP but are retained by the water treatment plant personnel.

- 4. DESIGN FLOW AND RETENTION TIME
- Hydraulic capacity, designed and actual, is noted here. Retention time (the time that a block of water is retained in the plant) is also noted. Maximum, minimum and average flow, as well as a record of the flow rate on the day of sampling, are recorded in DWSP.
- 5. DISTRIBUTION SYSTEM DESCRIPTION

This area includes the storage and transmission characteristics of the distribution system after the water leaves the plant.

6. SAMPLING SYSTEM

Each plant is assessed for its adequacy in terms of the sampling of bacteriological, organic and inorganic parameters. Prime considerations in the assessment and design of the sampling system are:

- i/ the sample is an accurate representation of the actual water
 - condition, eq. raw water has had no chemical treatment;
- ii/ the water being sampled is not being modified by the sampling system;
- iii/ the sample tap must be in a clean area of the plant,
 preferably a lab area; and
- iv/ the sample lines must be organically inert (no plastic, ideally stainless steel).

It is imperative that the sampled water be a reflection not of the sampling system but of the water itself.

The sampling system documentation includes: origin of the water; date sampling was initiated; size, length and material type (intake,

discharge and tap); pump characteristics (model, type, capacity); and flow rate.

7. PERSONNEL

This section contains the names, addresses and phone numbers of current plant management and operational staff, distribution system management and operational staff, Medical Officer of Health and appropriate MOE personnel associated with the plant.

Program Input - Field Data

The second major input to DWSP is field data. Field data is collected at the plant and from the distribution system sites on the day of sampling. Field data consists of general operating conditions and the results of testing for field parameters. General operating conditions include chemicals used, dosages, flow and retention time on the day of sampling, as well as, monthly maximum, minimum and average flows. Field parameters include turbidity, chlorine residuals (free, combined and total), temperature and pH.

These parameters are analyzed according to standardized DWSP protocols to allow for interplant comparison.

Program Input - Laboratory Analytical Data

The third major input to DWSP is Laboratory Analytical Data. Samples gathered from the raw, treated and distribution sampling sites are analyzed for the presence of approximately 180 parameters at a frequency of two to twelve times per year. Sixty-five percent of the parameters are organic. Parameters measured may have health or aesthetic implications when present in drinking water. Many of the parameters may be used in the treatment process or may be treatment by-products. Due to the nature of certain analytical instruments, parameters may be measured in a "scan" producing some results for parameters that are not on the DWSP priority list, but which may be of interest. The majority of parameters are measured on a routine basis. Those that are technically more difficult and/or costly to analyze, however, are done less frequently. These include Specific Pesticides and Chlorophenols.

Although the parameter list is extensive, additional parameters with the potential to cause health or aesthetic related problems may be added provided reliable analytical and sampling methods exist.

All laboratory generated data is derived from standardized, documented analytical protocols. The analytical method is an integral part of the data and as methods change, notation will be made and comparison data documented.

<u>Program Input - Parameter Reference Information</u>

The fourth major input to DWSP is Parameter Reference Information. This is a catalogue of information for each substance analyzed on DWSP. It includes parameter name and aliases, physical and chemical properties, basic toxicology, world-wide health limits, treatment methods and uses. The Parameter Reference Information is computerized and can be accessed through the Query function of the DWSP database. An example is shown in figure 1.

Program output - Query

All DWSP information is easily accessed through the Query function, therefore, anything from addresses of plant personnel to complete water quality information for a plant's water supply is instantly available. The DWSP computer system makes relatively complex inquiries manageable. A personal password allowing access into the DWSP query mode in all MOE offices is being developed by the DWSP group.

Program Output - Action Alerts

Drinking Water quality in Ontario is evaluated against provincial objectives as outlined in the Ontario Drinking Water Objectives publication. Should the reported level of a substance in treated

water exceed the Ontario Drinking Water Objective, an "Action Alert" requiring resampling and confirmation is issued. This assures that operational staff, health authorities and the public are notified as soon as possible of the confirmation of an exceedance and remedial action taken. This report supplies a history of the occurrence of past exceedances at the plant plus a historical summary on the parameter of concern.

In the absence of Ontario Drinking Water Objectives, guidelines/limits from other agencies are used. The Parameter Listing System, published by MOE (ISBN 0-7729-4461-X), catalogues and keeps current guidelines for 650 parameters from agencies throughout the world. If these guidelines are exceeded, the results are flagged and evaluated by DWSP personnel. An "Action Alert" will be issued if warranted.

Program Output - Report Generation

Custom reports can be generated from DWSP to meet MOE Regional needs and to respond to public requests.

Program Output - Annual Reports

It is the practice of DWSP to produce an annual report containing analytical data along with companion plant information.

FIG.1

MOE - DRINKING WATER ASSESSMENT PROGRAM (DWSP)

PARAMETER REFERENCE INFORMATION

BENZENE (B2001P) VOLATILES	VOLATILES	
CLASS: HEALTH METHOD: POCODO UNIT: μ g/L		
SOURCE FROM TO METHOD GUIDELINE UNIT CAL C 85/01 0.700 µg/L	NOTE AL	
CDWG C 87/01 5.000 μg/L EPA C 87/07 5.000 μg/L EPAA C 80/11 6.600 μg/L	MAC MCL AMBIENT **	
EPAA C 80/11 6.600 μg/L FERC C 84/05 1.000 μg/L WHO C 84/01 10.000 μg/L	MCL GV	

DESCRIPTION: NAME: BENZENE

CAS#: 71-43-2

MOLECULAR FORMULAE: C₆H₆

DETECTION LIMIT: (FOR METHOD POCODO) 0.05 µg/L

SYNONYMS: BENZOL; BENZOLE; COAL NAPHTHA; CARBON OIL (27).

CYCLOHEXATRIENE (41).

CHARACTERISTICS: COLOURLESS TO LIGHT-YELLOW, MOBILE, NON-POLAR LIQUID, OF HIGHLY REFRACTIVE NATURE,

> AROMATIC ODOUR; VAPOURS BURN WITH SMOKING FLAME (30).

PROPERTIES: SOLUBILITY IN WATER: 1780-1800 mg/L AT 25C (41). THRESHOLD ODOUR: 0.5 - 10 PPM IN WATERTHRESHOLD TASTE:

0.5 mg/L IN WATER (39).

ENVIRONMENTAL FATE: MAY BIOACCUMULATE IN LIVING ORGANISMS AND APPEARS TO ACCUMULATE IN ANIMAL TISSUES THAT EXHIBIT A HIGH LIPID CONTENT OR REPRESENT MAJOR METABOLIC SITES, SUCH AS LIVER OR BRAIN; SMALL QUANTITIES EVAPORATE FROM SOILS OR ARE

DEGRADED RATHER QUICKLY (80).

COMMERCIAL: PETROLEUM REFINING; SOLVENT RECOVERY; SOURCES:

> COAL TAR DISTILLATION (39); FOOD PROCESSING AND TANNING INDUSTRIES; COMBUSTION OF CAR EXHAUST.

ENVIRONMENTAL: POSSIBLE SOURCE IS RUNOFF.

DETERGENTS; NYLON; INTERMEDIATE IN PRODUCTION OF USES:

> OTHER COMPOUNDS, SUCH AS PESTICIDES; SOLVENT FOR EXTRACTION AND RECTIFICATION IN RUBBER INDUSTRY;

DEGREASING AND CLEANSING AGENT; GASOLINE.

TOXICITY: RATING: 4 (VERY TOXIC).

ACUTE: IRRITATING TO MUCOUS MEMBRANES; SYMPTOMS INCLUDE RESTLESSNESS, CONVULSIONS, EXCITEMENT, DEPRESSION; DEATH MAY FOLLOW RESPIRATORY FAILURE. CHRONIC: MAY CAUSE ANAEMIA AND LEUKAEMIA (45); MUTAGENIC.

MODE OF ACTION: CHROMOABERRATION IN LYMPHOCYTE CULTURES.

CARCINOGENICITY: A KNOWN HUMAN CARCINOGEN.

REMOVAL: THE FOLLOWING PROCESSES HAVE BEEN SUCCESSFUL IN REMOVING BENZENE FROM WASTEWATER: GAC ADSORPTION, PRECIPITATION WITH ALUM AND SUBSEQUENT REMOVAL VIA SEDIMENTATION, COAGULATION AND FLOCCULATION, SOLVENT EXTRACTION, OXIDATION

ADDITIONAL PROPERTIES:

MOLECULAR WEIGHT: 78.12 MELTING POINT: 5.5°C (27). BOILING POINT: 80.1°C (27).

SPECIFIC GRAVITY: 0.8790 AT 20°C (27). VAPOUR PRESSURE: 100 MM AT 26.1°C (27).

HENRY'S LAW CONSTANT: 0.00555 ATM-M3/MOLE (41). LOG OCT./WATER PARTITION COEFFICIENT: 1.95 TO 2.13

(39).

CARBON ADSORPTION: K=1.0; 1/N=1.6; R=0.97; PH=5.3 (41) SEDIMENT/WATER PARTITION COEFFICIENT: NO DATA

NOTES: EPA PRIORITY POLLUTANT.

DWSP SAMPLING GUIDELINE

i) Raw and Treated at Plant

General Chemistry -500 mL plastic bottle (PET 500)

-rinse bottle and cap with sample

water three times
-fill to 2 cm from top

Bacteriological -220 mL plastic bottle with white

seal on cap

-do not rinse bottle, preservative

has been added

-avoid touching bottle neck or

inside of cap

-fill to top of red label as marked

Metals -500 mL plastic bottle (PET 500)

-rinse bottle and cap three times

-fill to 2 cm from top

-add 10 drops nitric acid (HNO₃)

(Caution: HNO₃ is corrosive)

Volatiles (duplicates)

(OPOPUP)

-45 mL glass vial with septum

(teflon side must be in contact with

sample)

-do not rinse bottle

-fill bottle completely without

bubbles

Organics

(OWOC), (OWTRI), (OAPAHX)

-1 L amber glass bottle per scan

-do <u>not</u> rinse bottle

-fill to 2 cm from top

-when 'special pesticides' are requested three extra bottles

must be filled

Cyanide

-500 mL plastic bottle (PET 500)

-rinse bottle and cap three times

-fill to 2 cm from top

-add 10 drops sodium hydroxide (NaOH)

(Caution: NaOH is corrosive)

Mercury

-250 mL glass bottle

-rinse bottle and cap three times

-fill to top of label

-add 20 drops each nitric acid (HNO3) and potassium dichromate (K2Cr2O7) (Caution: HNO3&K2Cr2O7 are corrosive)

Phenols

-250 mL glass bottle

-do not rinse bottle, preservative

has been added

-fill to top of label

Radionuclides (as scheduled)

-4 L plastic jug

-do not rinse, carrier added

-fill to 5 cm from top

(GC/MS - once per year)

Organic Characterization -1 Lamber glass bottle; instructions

as per organic

-250 mL glass bottle -do not rinse bottle

-fill completely without bubbles

Steps:

- 1. Let sampling water tap run for an adequate time to clear the sample line.
- 2. Record time of day on submission sheet.
- 3. Record temperature on submission sheet.
- 4. Fill up all bottles as per instructions.
- 5. Record chlorine residuals (free, combined and total for treated water only), turbidity and pH on submission sheet.

ii) Distribution Samples (standing water)

General Chemistry

-500 mL plastic bottle (PET 500)

-rinse bottle and cap with sample

water three times -fill to 2 cm from top

Metals

-500 mL plastic bottle (PET 500)

-rinse bottle and cap three times

-fill to 2 cm from top

-add 10 drops nitric acid (HNO₃) (Caution: HNO₃ is corrosive)

Steps:

1. Record time of day on submission sheet.

- 2. Place bucket under tap and open cold water.
- 3. Fill to predetermined volume.
- 4. After mixing the water, record the temperature on the submission sheet.
- 5. Fill general chemistry and metals bottles.
- Record chlorine residuals (free, combined and total), turbidity and pH on submission sheet.

iii) Distribution Samples (free flow)

-500 mL plastic bottle (PET 500) General Chemistry -rinse bottle and cap with sample water three times -fill to 2 cm from top

-250 mL plastic bottle with Bacteriological

white seal on cap

-do not rinse bottle, preservative

has been added

-avoid touching bottle neck or

inside of cap

-fill to top of red label as marked

Metals -500 mL plastic bottle (PET 500) -rinse bottle and cap three times

-fill to 2 cm from top

-add 10 drops nitric acid HNO2 (Caution: HNO₃ is corrosive)

Volatiles (duplicate)

(OPOPUP)

-45 mL glass vial with septum (teflon side must be in contact

with sample)

-do not rinse bottle, preservative

has been added

-fill bottle completely without

bubbles

Organics (OWOC) (OAPAHX) -1 L amber glass bottle per scan

-do not rinse bottle -fill to 2 cm from top

Steps:

- 1. Record time of day on submission sheet.
- 2. Let cold water flow for five minutes.
- 3. Record temperature on submission sheet.

- 4. Fill all bottles as per instructions.
- Record chlorine residuals (free, combined and total), turbidity and pH on submission sheet.